PORT of BRISBANE
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OUR REFERENCE A1463616
CONTACT: ANDREW RANKINE
PHONE: 07 32584839

4 June 2021

National Heavy Vehicle Regulator
Level 3, 76 Skyring Terrace
Newstead, QLD, 4006

Port of Brisbane Pre-Approvals for Access for Over Size, Over Mass Vehicles to Port of Brisbane Roads

Authority for Certain Vehicles to Operate on Port of Brisbane Roads

This letter is to advise that pre-approval is provided by an Authorised Officer of Port of Brisbane Pty Ltd (PBPL) under delegated authority from Brisbane Port Holdings Pty Ltd for a range of Over Size, Over Mass (OSOM) vehicles, on roads owned by Brisbane Port Holdings Pty Ltd, as described below. This letter replaces the previous OSOM pre-approvals letter dated 1 February 2019.

These vehicles are:

1. A range of OSOM vehicles as described in Annex A: "Pre-Approved Over Size Over Mass (OSOM) combinations for access to Port of Brisbane roads"
2. Pilot and escort requirements are to be determined in accordance with the *Guideline for Pilot and Escort Operations in Queensland (Form 41).*

Vehicle Dimensions and Mass limits

1. Vehicle Dimensions and mass limits vary for each category of OSOM vehicle, but the maximum height for all vehicles on all port roads is 6.7m.
2. The maximum length varies for each OSOM vehicle - see Annex A.
3. Mass Limits vary according to the combination – see Annex A.
4. The maximum width for all categories varies according to the port road being accessed (see attached map 139912 A).

Approved Routes and Areas

1. This pre-approval applies to the following roads owned by Brisbane Port Holdings Pty Ltd and for which power as "road manager" under the Heavy Vehicle National Law has been delegated to Authorised Officers of the Port of Brisbane Pty Ltd (PBPL) under delegated authority from Brisbane Port Holdings Pty Ltd. These roads are: Port Drive (excluding the section of Port Drive between the Captain Bishop bridge and Kite Street, which is controlled by Transport and Main Roads (TMR), Lucinda Drive, including the Lucinda drive bridge (but note restrictions below), Bishop Drive, Whimbrel Street, Bingera Drive, Curlew Street, Bulk Terminals Drive,Seafarer's Street (but note restrictions below), River Drive, Peregrine Drive, Kite Street, Osprey Drive, Howard Smith Drive, Radar Street. These roads are marked on the attached map 139912.
2. The Lucinda Drive bridge is limited to vehicles with a gross combination mass of 68 tonnes or less, prime movers and low loader trailers WITHOUT a dolly, a maximum of four (4) tyred trailers, and a maximum width of 4.5m.
3. Vehicles with loads > 4.5m wide entering AAT must use Seafarer's Steet to gain entry. Vehicles with loads > 4.5m wide exiting AAT must also use Seafarer's Street to exit AAT and they must turn right onto Port Drive, irrespective of the direction of travel (see scematic on map 139912 A).
4. There are a range of width dimension requirements and limitations which apply to each Port of Brisbane road (see attached map 139912 A for details).

Travel Conditions

1. PBPL is to be advised about any load > 90 tonnes (not vehicle GCM) which has an origin or destination at the wharf at least 5 days before the move is scheduled to take place. Details are to be provided by email to: Damien.garske@portbris.com.au.

2. A total of 3 x class 1 heavy vehicles or heavy vehicle combinations are permitted to travel in convoy, provided they have valid exemptions allowing the convoy travel to be undertaken.
3. There are no restrictions on the hours of operation.

Vehicle Conditions

Nil

Permits

The following conditions are to be included on permits:

1. This approval applies to PBPL roads:a separate approval may be required for the load to transit PBPL wharf areas. Applications for wharf load assessmsnt can be made via the PBPL website.
2. Pilot and escort requirements are to be determined in accordance with the *Guideline for Pilot and Escort Operations in Queensland.*
3. Any infrastructure relocated or removed for the transit of the vehicle must be correctly reinstated immediately after the load has passed, to the satisfaction of PBPL.
4. The Lucinda drive bridge is limited to vehicles with a GCM of 68 tonnes or less, prime movers and low loader trailers without a dolly, (4) four tyred trailers, and a maximum width of 4.5m, or otherwise as specified in Annex A.
5. Vehicles with loads > 4.5m wide entering or exiting AAT must use Seafarer's street to gain entry and to exit. Vehicles exiting AAT via Seafarer's Street must turn right onto Port Drive. Vehicles entering or exiting AAT via Seafarer's Street may have to remove roadside furniture adjacent to the roundabout. If that is the case, it must be reinstated as soon as the vehicle has passed.
6. Vehicles with platform trailers are not to brake when travelling across the Captain Bishop Bridges.
7. Vehicles with platform trailers are to traverse across the Captain Bishop Bridges using one of the designated HLP loading lanes as described on the Bridge Load Path Diagram in Annex A.
8. No other low loader trailers or platform trailer configurations shall be present or crossing the bridge when the load arrangement is crossing the Captain Bishop Bridges.
9. There are a range of width dimension requirements and limitations which apply to each Port of Brisbane road. These are detailed on map 139912 A.

Reason

The road manager has imposed these restrictions as, having regard to the road infrastructure, the road manager considers that vehicles in excess of the mass and dimension limits referred to in this pre-approval may:
1. cause damage to road infrastructure;
2. impose adverse effects on the community arising from noise, emissions, or traffic congestion; and/or
3. pose significant risks to public safety arising from heavy vehicle use that is incompatible with road infrastructure or road conditions.

This pre-approval has no end date and replaces the "Port of Brisbane Pre-approvals for Access for Over Size over mass vehicles to Port of Brisbane roads dated 1 February 2019". It can be revoked or modified at any time without notice.

Vehicles in excess of the mass and dimension limits referred to in this pre-approval are to be referred to, and assessed by, the road manager on a case by case basis in accordance with Chapter 4, Part 4.7 of the Heavy Vehicle National Law.

In promulgating this pre-approval, neither Port of Brisbane Pty Ltd nor Brisbane Port Holdings Pty Ltd represents that the road infrastructure is suitable for vehicles of the type referred to in the preapproval. Vehicle owners and operators must make their own assessments as to whether the vehicle may be safely operated on road infrastructure at the Port of Brisbane having regard to the vehicle, load conditions and road infrastructure. It is requested that this condition be inserted in in all permits issued in accordance with the Heavy Vehicle National Law for travel on Port of Brisbane roads (as marked on map139912 A).

Yours sincerely

Andrew Rankine
Authorised Officer and delegate for Brisbane Port Holdings Pty Ltd

ANNEX A

Pre-Approved Over Size Over Mass (OSOM) combinations for access to Port of Brisbane Roads

0. Referenced documents

This Annexure shall be read in conjunction with the following additional documentation:

- Port of Brisbane Drawing No. 139912 Revision A (dated 19 April 2021), referred to as "Drawing No. 139912 A" in this Annexure.
- "Guideline for Pilot and Escort Operations in Queensland" (Form 41).

1. Prime movers and low loader trailers

1.1. Dimension limits

The dimension requirements for prime movers and low loader trailers are as follows:

Width: 4.5m, 5.5m or 6.5m (depending on road – refer Drawing No. 139912).
Length: 26m
Height: 6.7m

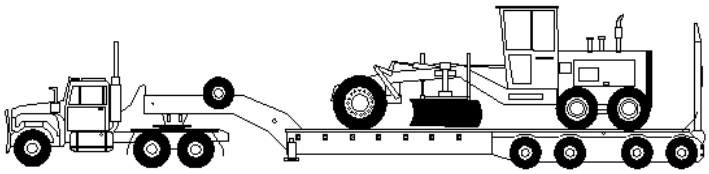
Vehicles requiring access to Lucinda Drive Bridge shall be limited to a low loader platform trailer with 4-tyred axles, excluding a dolly – Drawing No. 139912 A.

1.2. Mass limits

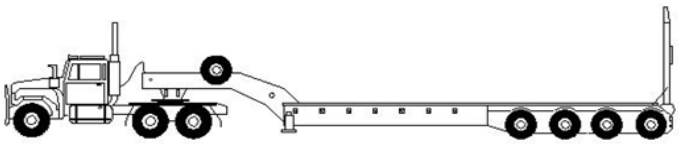
Mass: Prime mover steer axle – 6.5t. Prime mover drive axles – 18.5t

Mass requirements for trailers are outlined in Table 1.

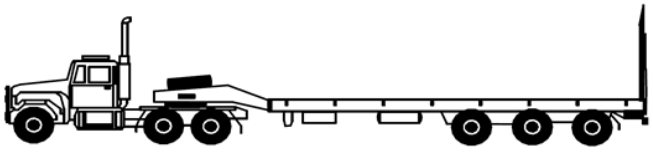
Spread Quad Axle Low Loader



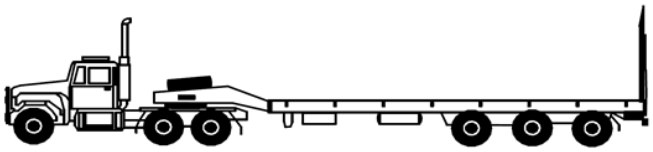
Closed Quad Axle Low Loader



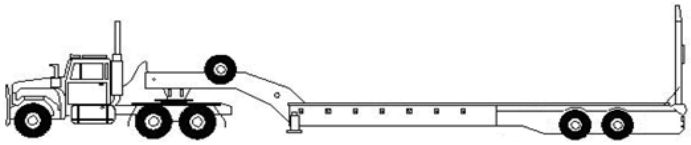
Tri-Axle Low Loader



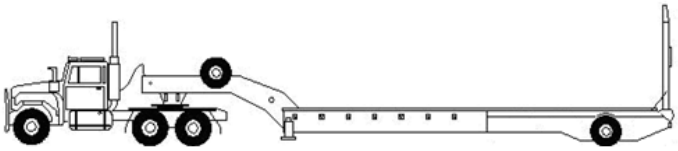
Oversize Tri-Axle Low Loader



Tandem Axle Low Loader



Single Axle Low Loader



2. Prime mover and low loader trailers with dolly groups

2.1. Dimension limits

The dimension requirements for low loader trailers, including the prime mover and dolly (if applicable) are as follows:

Width: 4.5m, 5.5m or 6.5m (depending on road – refer Drawing No. 139912).
Length: 35m
Height: 6.7m

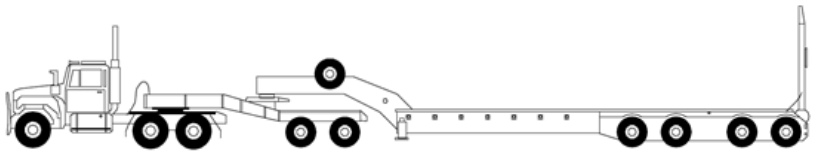
Combinations with 8-tyred axles or dolly groups are not permitted to access Lucinda Drive Bridge – refer Drawing No. 139912 A.

2.2. Mass limits

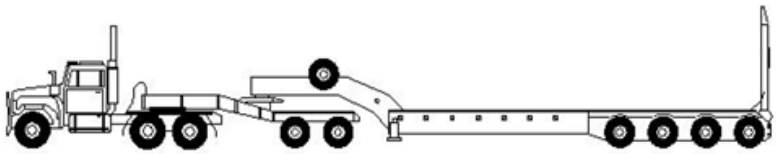
Mass: Prime mover steer axle – 6.5t. Prime mover drive axles – 18.5t.

Mass requirements for dolly groups and trailers are outlined in Table 1.

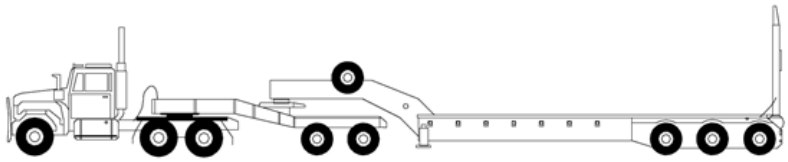
Dolly (1 or 2 axles) and Spread Quad Axle Low Loader



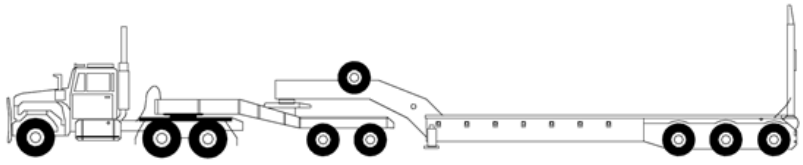
Dolly and Closed Quad Axle Low Loader



Dolly and Tri-Axle Low Loader



Dolly and Oversize Tri-Axle Low Loader



Dolly and Tandem Axle Low Loader

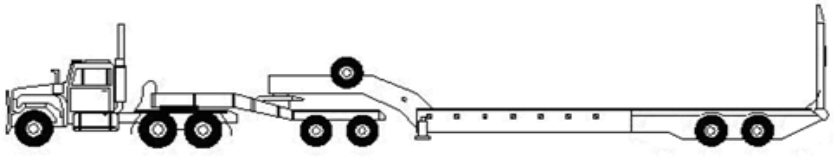


Table 1 – dolly and trailing group mass limits

Minimum axle group ground contact width (m)	Number and spacing of axles in axle group									
	1	2@1.2	2@1.8	3@1.2	Oversize triaxle 3 @ 1.2 > 3.2 overall	3@1.8	4@1.2	4@1.6	4@1.2, 2.4, 1.2	5@1.2
4 tyred axle mass limit (tonnes)										
2.4	9	18.5	18.5	25	27	27	30	30	35	35
8 tyred axle mass limit (tonnes)										
2.4	12	21	21.5	25	27	27	30	30	35	35
2.6	12.5	21	23	26	28	29	31.5	31.5	36	36
2.7	12.5	21	24	27	29	31	33	33	37.5	37.5
2.8	13.5	22	25	28	30	33	34	34	39	39
2.9	13.5	23	26	29	31	34.5	35	35	40	40
3.0	15.5	24	27	30	32	36	36	36	41	41
3.1	15.5	25	28	31	33	37.5	37.5	37.5	42	42
3.2	16.5	26	29	32	34	39	39	39	43.5	43.5
3.3	16.5	27	30	33	35	40	40	40	44.5	44.5
3.4	16.5	27.5	30.5	34	36	41	41	41	46	46
3.5	16.5	28	31	35	37	42	42	42	47	47
3.6	17.5	28.5	31.5	36	38	43	43	43	48	48
3.7	17.5	29	32	37	39	44	44	44	49	49
3.8	18	30	33	38	40	45	45	45	50	50
3.9	18	30.5	33.5	39	40	46	46	46	51	51
4.0	18	31	34	40	40	47	47	47	52	52
4.1	18	31	34	40	40	48	48	48	53	53
4.2	18	31	34	40	40	48	49	49	54	54
4.3	18	31	34	40	40	48	50	50	55	55
4.4	18	31	34	40	40	48	51	51	56	56
4.5	18	31	34	40	40	48	52	52	57	57
4.6	18	31	34	40	40	48	52.5	52.5	57.5	57.5

3. Platform trailers

3.1. Dimension limits – entire combination

The dimension requirements for platform trailers, including the prime mover and dolly (if applicable) are as follows:

Width: 4.5m, 5.5m or 6.5m (depending on road – refer Drawing No. 139912).
Length: 40m
Height: 6.7m

Platform trailer combinations are not permitted to access Lucinda Drive Bridge – refer Drawing No. 139912 A.

3.2. Mass requirements – General

The mass on a Class 1 heavy vehicle's single axle/ axle group or drive /dolly combination must not be more than the applicable mass limit specified in table 2 to 4 below, if a load-carrying vehicle consisting of a prime mover is towing:

(a) a platform trailer; or

(b) a low loader dolly and a platform trailer

3.3. Mass limits – Prime mover (only)

The axle/axle group masses of a prime mover must be no greater than the mass limits indicated in Table 2.

Table 2 – Prime mover mass limits

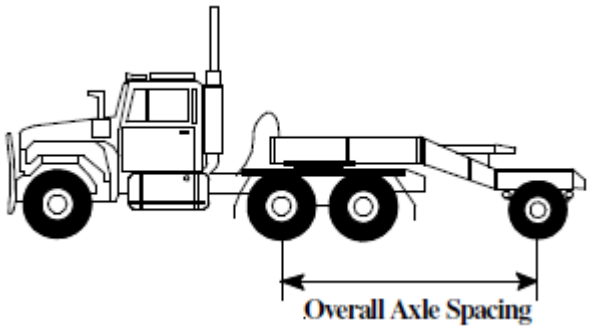
Axle group	Mass limit (tonnes)
Single Steer Axle	6.5
Twin steer (Non load sharing)	10
Twin steer (Load sharing)	12
Tandem axle Group -dual tyres	18.5
Tri drive (torque sharing)	25
Tri drive (Non-torque sharing)	20

3.4. Mass limits – Prime mover (tandem drive) with single axle dolly

The sum of the masses on a prime mover (tandem drive), single axle dolly combination as described by the number of tyres on each dolly axle, minimum dolly ground contact width and overall axle spacing must be no greater than the mass limits specified in Table 2 for the combination.

Table 3 – Prime mover tandem drive – Single axle dolly combination mass limits

Minimum dolly ground contact width (m)	Overall Axle Spacing						
	2.8	3.0	3.2	3.4	3.6	3.8	4.0
Combination tandem drive - 4 tyred dolly axle mass limit (tonnes)							
2.4	25	26	27	28	29	30	30
Combination tandem drive - 8 tyred dolly axle mass limit (tonnes)							
2.4	25	26	27	28	29	30	30
2.6	26	27	28	29	30	31	31
2.8	27	28	29	30	31	32	32
3.0	28	29	30	31	32	33	34
3.2	29	30	31	32	33	34	35
3.4	30	31	32	33	34	35	36
3.6	31	32	33	34	35	36	36
3.8	31	32	33	34	35.5	36.5	36.5
4.0	31	32	33	34	35.5	36.5	36.5
4.2	31	32	33	34	35.5	36.5	36.5

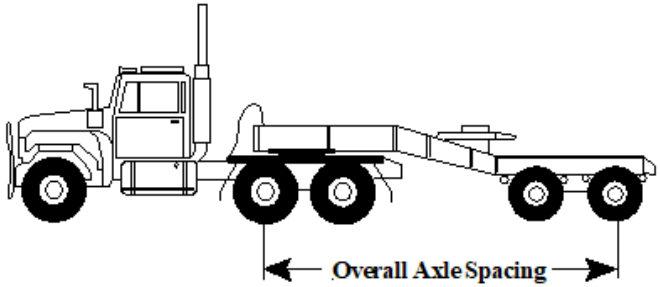


3.5. Mass limits - Prime mover (tandem drive) with tandem axle dolly

The sum of the masses on a prime mover tandem drive, tandem axle dolly combination as described by the number of tyres on each dolly axle, minimum dolly ground contact width and overall axle spacing must be no greater than the mass limits specified in Table 4 for the combination.

Table 4 – Mass limits for prime move with tandem axle dolly combination

Dolly width	Overall Axle Spacing												
	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0
Combination tandem drive - 4 tyred tandem axle dolly mass limit (tonnes)													
2.4	29	30	31	32	33	34	35	36	37	38	39	39.5	40
Combination tandem drive - 8 tyred tandem axle dolly mass limit (tonnes)													
2.4	29	30	31	32	33	34	35	36	37	38	39	39.5	40
2.6	30	31	32	33	34	35	36	37	38	39	40	40.5	41
2.8	31	32	33	34	35	36	37	38	39	40	41	41.5	42
3.0	32	33	34	35	36	37	38	39	40	41	42	42.5	43
3.2	33	34	35	36	37	38	39	40	41	42	43	43.5	44
3.4	34	35	36	37	38	39	40	41	42	43	43.5	45	45.5
3.6	35	36	37	38	39	40	41	42	43	44	45	46	46.5
3.8	35.5	36.5	37	38.5	40	41	42	43	44	45	46	47	48
4.0	35.5	37	38	39	40.5	42	43	44	45	46	47	48	49
4.2	35.5	37	38	39.5	41	43	44	45	46	47	48	49	50
4.4	35.5	37	38	39.5	41.5	44	45	46	47	48	49	50	51
4.6	35.5	37	38	39.5	41.5	45	46	47	48	49	50	51	52



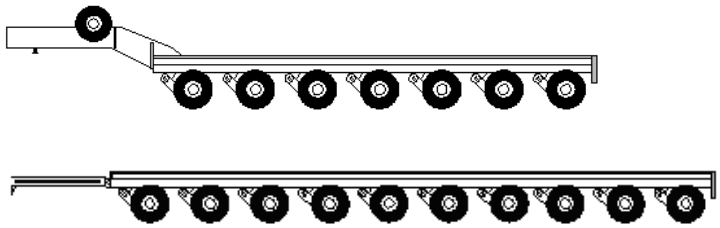
3.6. Mass Limits – Platform trailers (only)

The mass limits specified in this section shall relate only to the platform trailer. For the mass limits of the rest of the combination (i.e. acceptable mass limits of the prime mover with or without a dolly), refer to Sections 3.3 to 3.5.

Table 5 specifies the mass limits and associated criteria that shall be applicable for a platform trailer combination (5 axles and above) to be pre-approved under the "Pre-Approvals for Access for Over Size, Over Mass Vehicles to the Port of Brisbane". Each axle of the platform trailer must be fitted with 8-tyres per axle.

Table 5 – Platform trailer mass limits and acceptance criteria

Ground contact width (m) [1]	Minimum axle spacing (m) [2]	Maximum allowable mass of each platform trailer axle (t)	Lane restriction [4]
> 3.2	1.6	18	HLP path



Notes:

1) "Ground contact width" shall be interpreted as the following:
   a. In relation to an axle, means the distance between the outermost point of ground contact of the outside tyres on each end of the axle: and
   b. In relation to an axle group, means the greatest ground contact width of all the axles in the group.

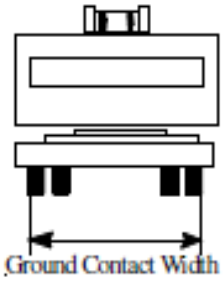


Illustration of ground contact width of an axle

2) Axle spacing" refers to the distance between the centre line of each axle on the platform trailer
3) Vehicles that are pre-approved under this notice shall not travel at a speed greater than that signposted or as directed otherwise by the road manager in the specific permit conditions.
4) When crossing the Captain Bishop Bridge (travelling off or onto Fisherman Islands), all platform trailers shall be required to travel along the Heavy Load Platform (HLP) path. This is detailed in Section **Error! Reference source not found.**.

3.7. Travel paths for platform trailer combinations

When crossing the Captain bishop Bridges (inbound or outbound of Fisherman Islands), all combinations that consist of a platform trailer shall be required to comply with the Heavy Load Path requirements. This is that the load shall be no closer than 250 mm from the inside edge of the outermost lanes. This is illustrated below:

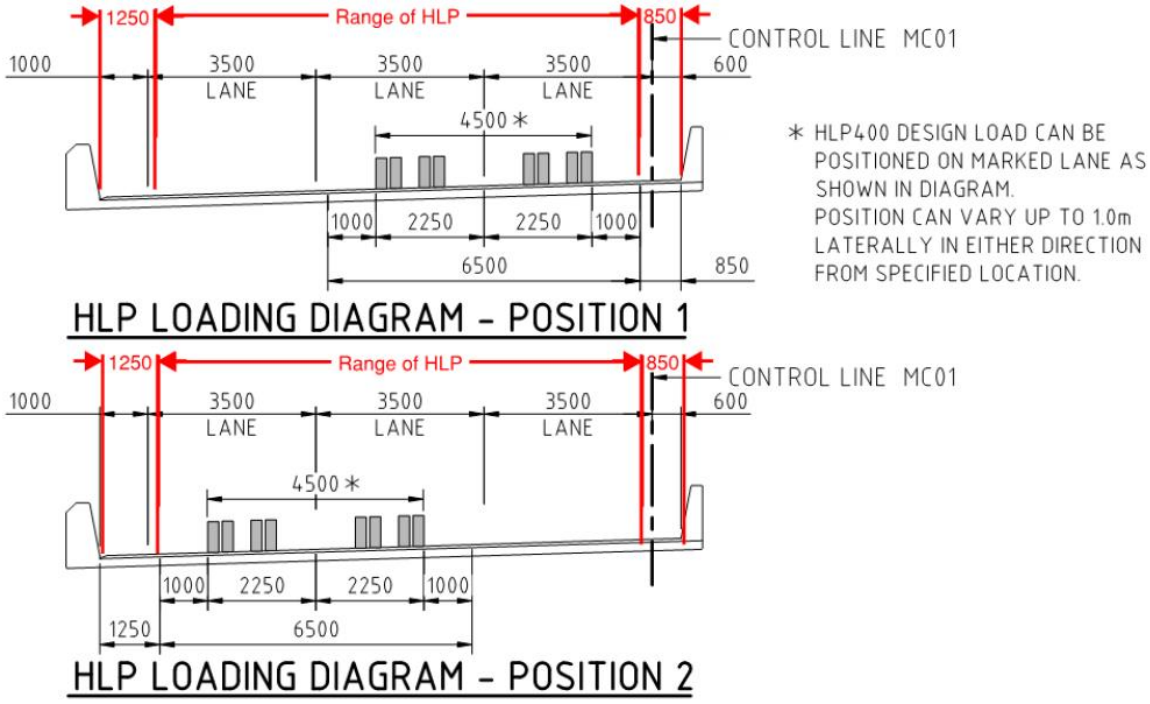


Figure 1 Captain Bishop Bridge Northbound HLP path

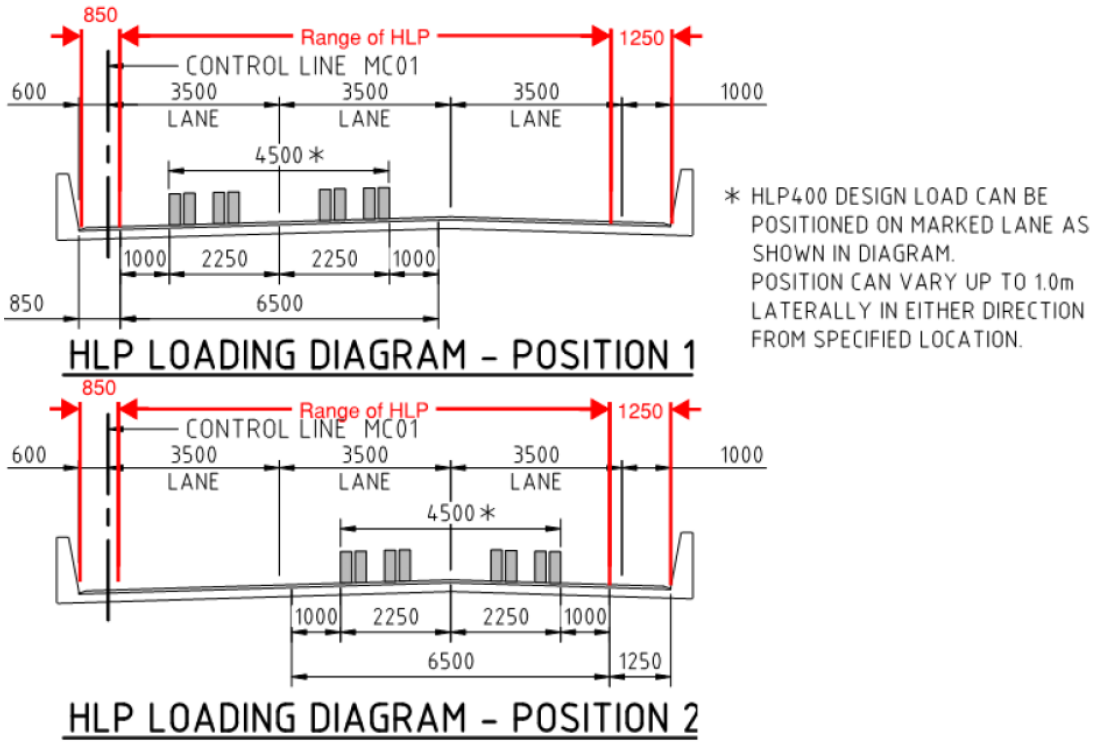


Figure 2 Captain Bishop Bridge Southbound HLP path