

Main Roads Western Australia Vertical Clearance Requirements for Structures on Freight Routes Perth and Peel

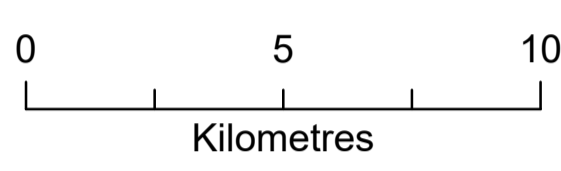
= REVISION 1 =

LEGEND

- Future Freight Route
- Current Freight Route
- 10m high x 10m wide Minimum Clearance Envelope for High Wide Oversize Over-mass Routes (Includes 10m high x 12m wide or 15m high x 15m wide where noted on routes)
- >= 6.5m High Clearance Strategic Freight Network
- >= 5.8m < 6.5m Class 1 Oversize and Above
- >= 5.4m < 5.8m AS5100 and Above
- > 4.6m < 5.4m Above As-of-Right Vehicles
- Only As-of-Right Vehicles <= 4.6m

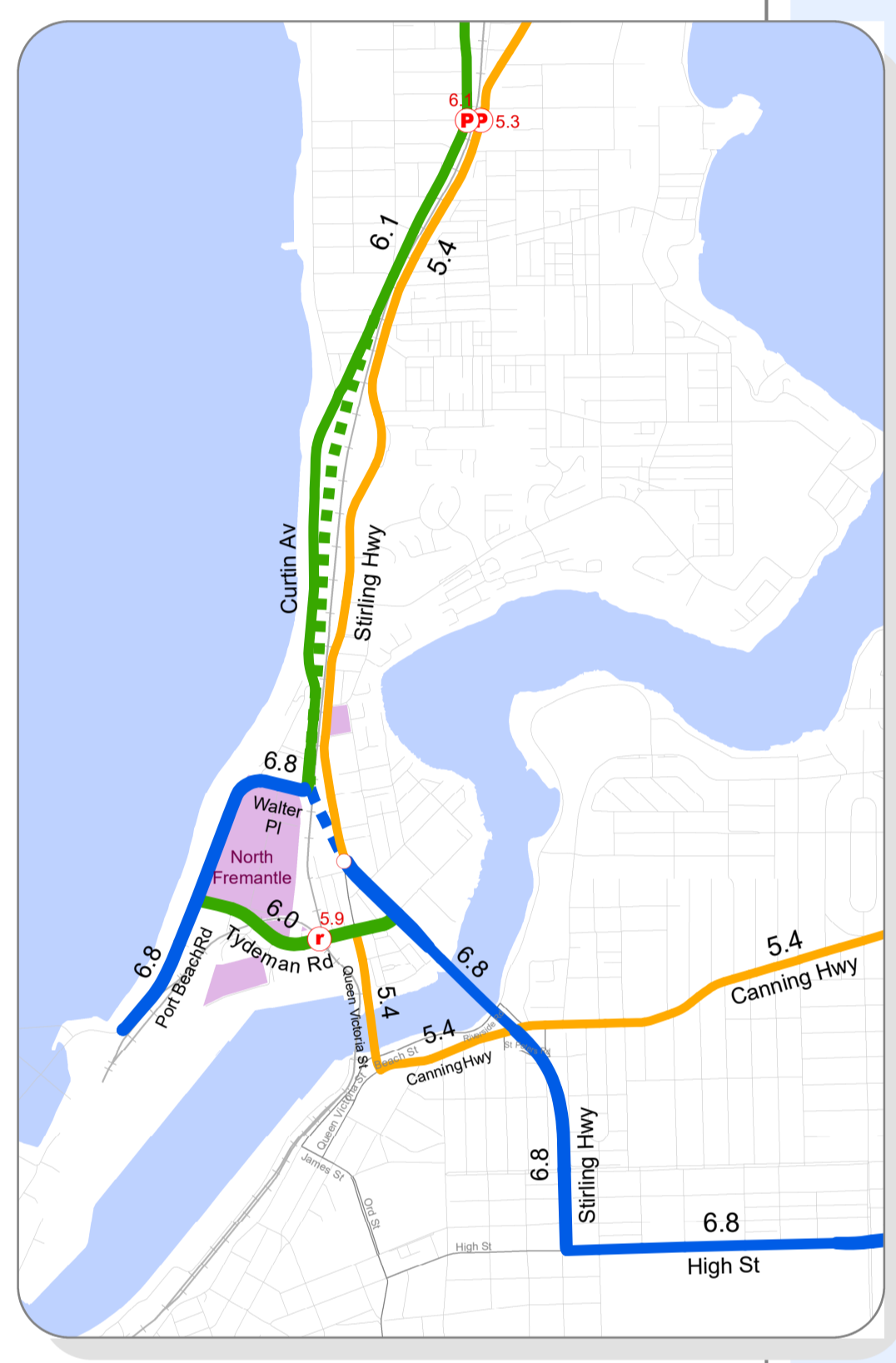
*Vertical Clearance is the minimum height between the pavement and the underside of the overhead structure, and is the lowest point across all lanes and carriageways.

- Known Vertical Clearance
- Agreed Vertical Clearance
- Road Bridge with Existing Constraint
- Pedestrian Bridge with Existing Constraint
- Rail Bridge with Existing Constraint
- Future Grade Separation
- Pedestrian Bridge to Confirm Clearance
- Road/Rail Bridge to Confirm Clearance
- State Road
- Local Road
- Existing Rail Network
- Existing Industrial Land Use
- Industrial Expansion
- Industrial Investigation



6.5 (metres) is the required absolute minimum vertical clearance after settlement for Road Bridges over the freight route.
6.5 + 0.3 (metres) is the required absolute minimum vertical clearance after settlement for Pedestrian Bridges over the freight route.

Example Only



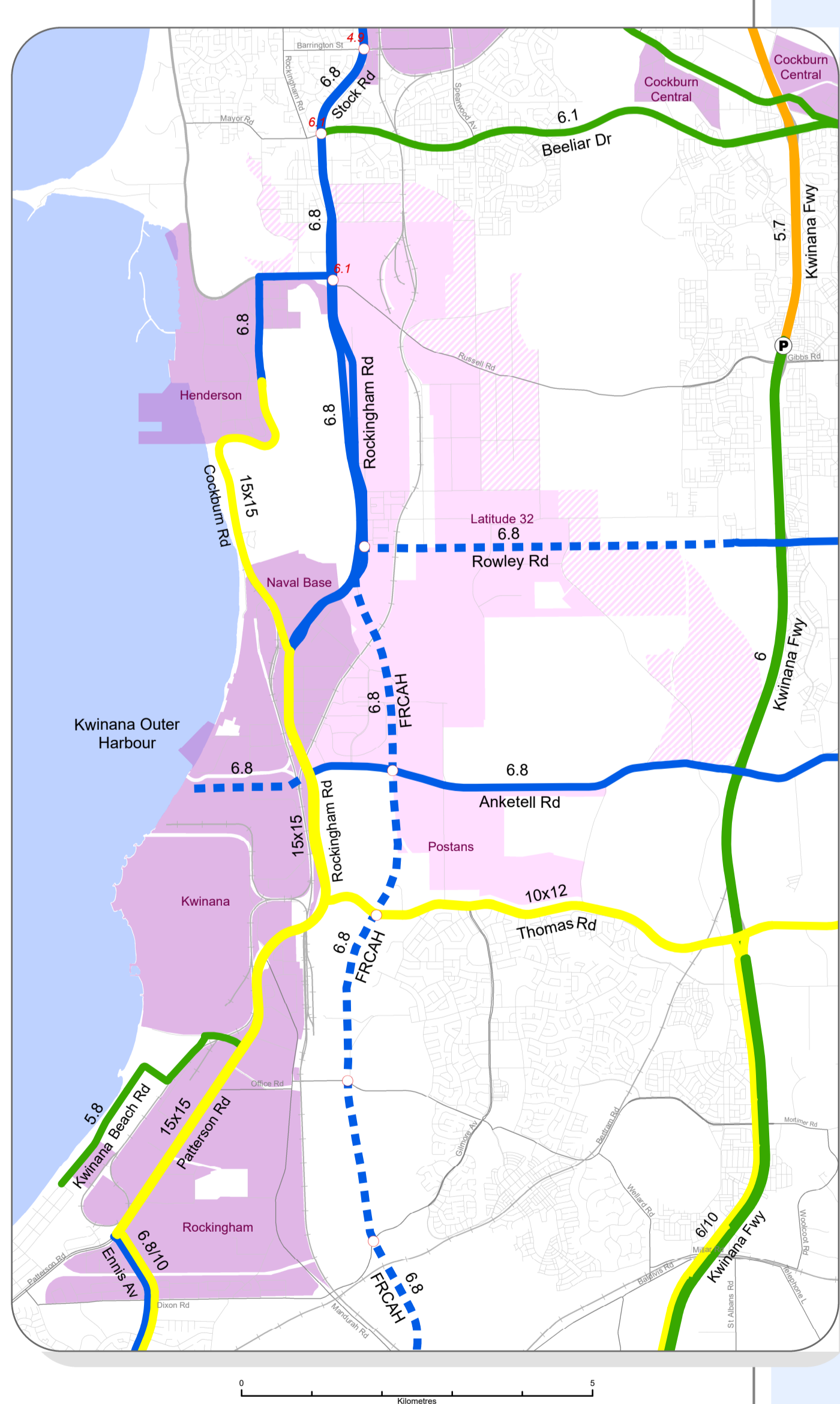
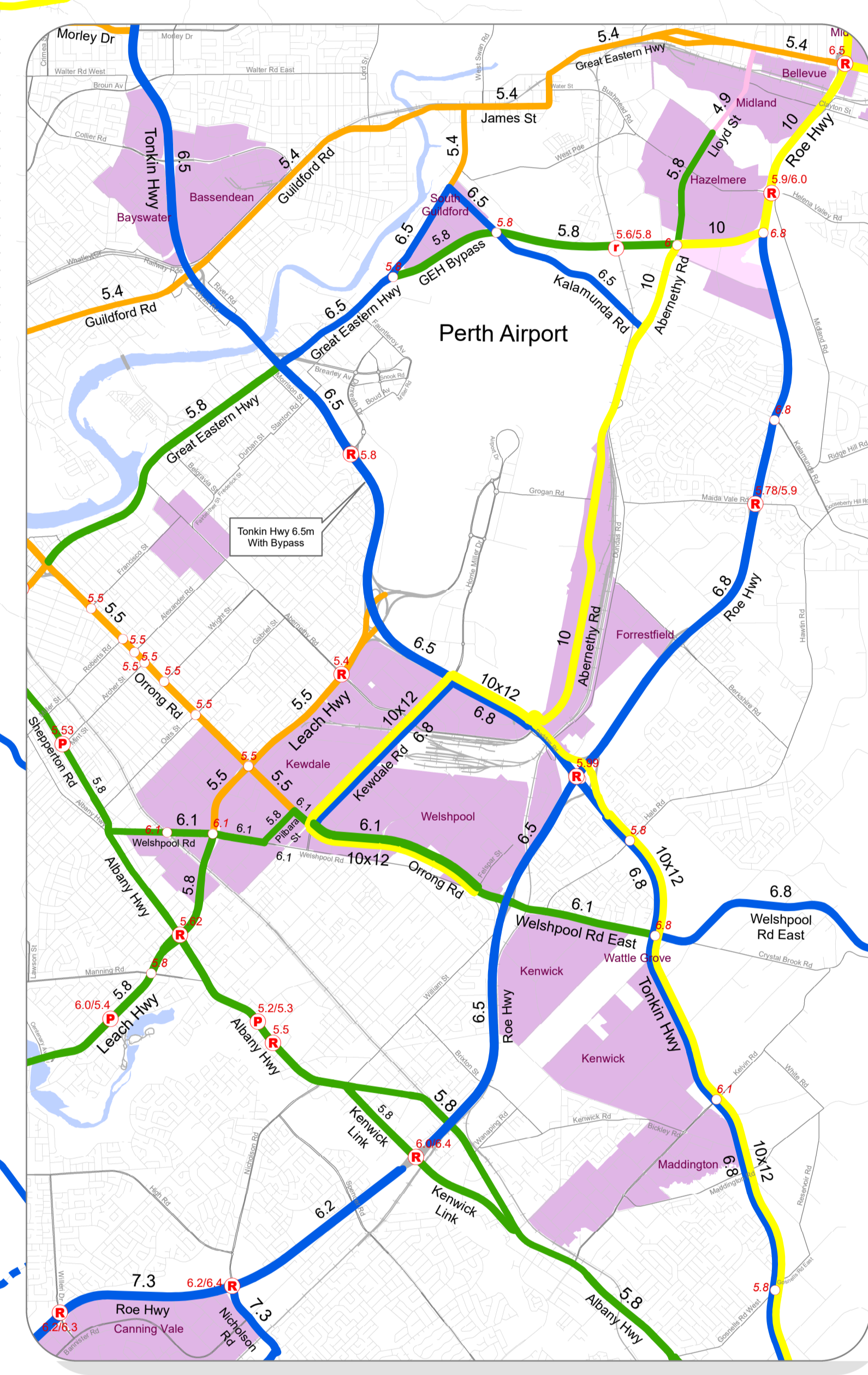
The replacement of Structure 9023 is subject to further planning. To achieve the 6.8m vertical clearances for roads into Fremantle Inner Harbour, the replacement structure will need to achieve a minimum of 7.1m vertical clearance.

Clearance (m)	Cross Road
6.2	South Street
4.9	Winterford Road
5.8	Forrest Road
4.9	Phoenicia Road
6.8	Spearwood Avenue
4.9	Barrington Street
6.1	Beakley Drive
6.1	Russell Road (West)

- ### Map Note
- Vertical clearances quoted on map is the absolute minimum clearance to achieve after settlement and measured between the highest point of the pavement and the lowest point underneath the overhead structure. Vertical clearance is the narrowest possible point across all lanes and carriageways. Quoted vertical clearances do not include any tolerance for settlement and resurfacing and needs to be considered according to standards.
 - The absolute minimum vertical clearance includes due allowance for settlement (*20 mm for bridge abutment and pier settlement) and the addition of a further *50 mm of asphalt under structures, and shall not be less than the vertical clearances quote in D198147338.
 - The vertical clearances quoted apply to road bridges only. The required vertical clearances for rail bridges, pedestrian bridges and sign gantries are as per AS5100.1.
 - Loaded vehicles should be at least 300 mm lower than the quoted vertical clearances for all road, rail or pedestrian bridges.
 - Sign Gantries are not included on this map.

Clearance (m)	Cross Road
10	Tonkin Rd over Roe Hwy
12	Tonkin Rd over Peel
5.8	Roe Hwy over Memorial Rd
5.8	Forrest over Peel Hwy
10	ESBC Access
5.8	Peel over Swanvale Rd
5.8	Peel over Swanvale Rd
5.8	Peel over Swanvale Rd
5.8	Peel over Swanvale Rd

Clearance (m)	Cross Road
5.8	Hale Road
6.8	Wespool Road
6.1	Kelvin Road
5.8	Clearville Road
5.8	Lea Road
5.4	Champion Drive
7.3	Ranford Road
6.5	Armadale Road
5.9	Forrest Road
5.8	Rowley Road
10x12	Thomas Road
5.4	Orion Road
5.4	Stanley Road
5.8	Manjaling Road



Mapping prepared by Road Planning and Development Branch for Main Roads Internal Use Only

The focus of this map is the pictorial representation of strategic vertical clearances on the freight road network and this map is not intended for operational use to issue permits.

Future structures sourced from the 20-yr Road Network Development Plan (D18#1001621)

Map should be used in conjunction with D21#1250447 Refer to Project Folder 18/2027

All future routes are subject to further planning work for exact alignment and detailed design

Date of Print: Thursday, 29 September 2022
Map 10.01-R1 Working Map - Structure Clearance Map (Revision 1 - D21#1250413)

This map supercedes previously published Structure Clearance Maps

= Maps and tables are subject to change =
Refer to Network Planning and Development Manager to confirm Clearance Requirements - 9323 4417

