

Overseas Passenger Terminal

Car park review

Ensuring a smooth experience for thousands of passengers being picked-up/dropped-off near Sydney's most popular tourist attractions.

Located between Sydney Harbour Bridge and the Opera House, the Overseas Passenger Terminal receives hundreds of thousands of passengers every year. The influx of visitors arriving and departing on cruise ships generates a large volume of traffic in an already busy area.

ptc. was engaged by the Port Authority of New South Wales to review the terminal car park and pick-up/drop-off arrangements. The project focused on optimising the use of the existing infrastructure and increasing safety for drivers and pedestrians under two different operational modes:

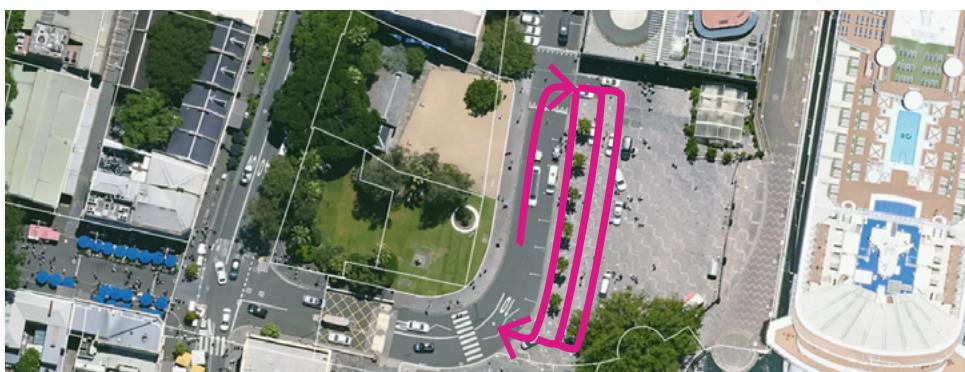
- Cruise ship days: during cruise ships arrivals and departures thousands of passengers need to be picked up or dropped off in the most efficient possible way. On these days, the car park is not available for parking.
- Non-cruise ship days: the car park is available to serve visitors of the area and customers of surrounding businesses.

In addition to a review of the car park's line marking and traffic flows, our team analysed a number of options to facilitate vehicle turnover on cruise ship days. The final layout involved a three-lane drop-off and pick-up area on the ground floor.

On this level, the on-street parking occupied a large portion of the road and resulted in a non-compliant width for a two-way traffic flow. The solution was to adopt parallel spaces on the right side of the road and push back the perpendicular spaces to the left hand side.

Another measure to facilitate traffic flows and improve safety was the installation of line marking and signage. For example, on the podium level, a roundabout and give away signage were installed as well as the relocation of a pedestrian crossing on the street level.

These measures resulted in a safer environment and a more efficient traffic flow for both operational modes.



Ground floor pick up/drop-off area during cruise ship days. Aerial image source: MetroMap



New parallel parking bays. Image source: ptc. archive



Realignment of parking spaces on the left side of the road. Image source: ptc. archive



Installation of linemarking and signage to improve the existing car park such as a roundabout on the podium level. Aerial image source: MetroMap



Connect

Our engineers work alongside your project team to optimise the traffic engineering and parking related aspects of your development.

Andrew Morse and Steve Wellman are our most senior team members in these areas of expertise and they are ready to add value to your project.

Contact them ➔



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