

DELIVERING OUR TRANSPORT FUTURE NOW

north-south corridor

south road superway



Segment Lifter

The South Road Superway project features a 2.8km elevated roadway above the existing South Road in Wingfield and Regency Park. Segment lifters are used in the construction of the elevated roadway, to lift segments into place on top of the piers. A total of 2,203 segments will form the base of the elevated roadway, and are on average between 3-5m high, 4-8m wide at the base, and up to 20m wide at the top.

Segment Lifter

- Segment lifters are designed to install segments that weigh between 65 and 90 tonne, in varied design configurations like ramps, in tight locations, or in areas that are generally difficult to access.
- Segment lifters are constructed from steelwork, however a segment lifter is not required to span from one pier to the next and consequently it does not contain as much steel as the launching truss.
- A segment lifter is much easier to construct than a launching truss and is more versatile.
- Two segment lifters work in tandem with its mirror equivalent, with one lifter erecting in one direction from the pier and the second lifter erecting in parallel in the opposite direction.

For both the segment lifters and the launching truss, the elevated road is required to be constructed evenly from both sides of the pier. This is termed a balanced cantilever design, which places either side of the pier (balanced) to ensure they are not eccentrically overloaded.

For more information, including regular construction updates, p1300 638 789

e dpti:SouthRoadSuperway@sa.gov.au or visit www.infrastructure.sa.gov.au and follow the links to the South Road Superway website.



Segment Lifter on South Road, Regency Park

All enquiries: 1300 638 789 Visit: www.infrastructure.sa.gov.au



Nation Building Program



Government of South Australia
Department of Planning,
Transport and Infrastructure