

Widening of Al Maktoum Liftbridge – Dubai, United Arab Emirates



Type: Roadway

Location: Dubai, United Arab Emirates

Completion Date: November 2007

Owner: Roads and Transport Authority

Architecture: Zublena Architecte PLG

Engineering: Waagner Biro Gulf LLC

General Contractor: Waagner Biro Gulf LLC

Steel Fabricator: Waagner Biro Gulf LLC

-Two old steel bascule bridges transformed to form one new combined structure with 50% more capacity by inserting new bridge deck elements

- Modification works done under full traffic

- Insertion of new elements to cover the 9m gap between the two original structures

- Four orthotropic deck elements, measuring each about

9 x 9 m to fill the gap between the two existing bascule bridges

- An astounding accuracy in the construction of bridges 1 and 2 made it possible to fix these four elements between cross girder extensions of the existing bridges

