



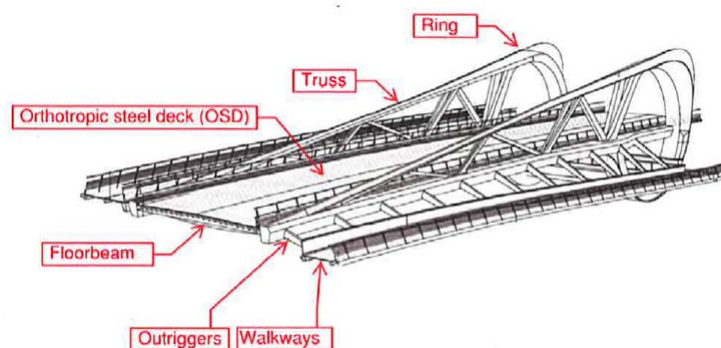
Outline of Presentation

- Progress on the steel fabrication at ZTSS
- Progress on the span support structure at QuayQuip in Tianjin
- Assembly of the completed steelwork
- Other site work
- Fendering discussion
- Financial Update
- Other issues such as public realm, communications etc

Steel Fabrication

- There are three main steel components:
 - The main bascule span being fabricated by ZTSS: Rings / Trusses / Counterweights / Outriggers / Deck
 - The span support structure being fabricated by QuayQuip in Tianjin: Interface between the ZTSS work and the moving machinery
 - Falsework being fabricated by ZTSS – Temporary structure which will support the various pieces while they are assembled in Victoria

Steel Fabrication



Shipping dates

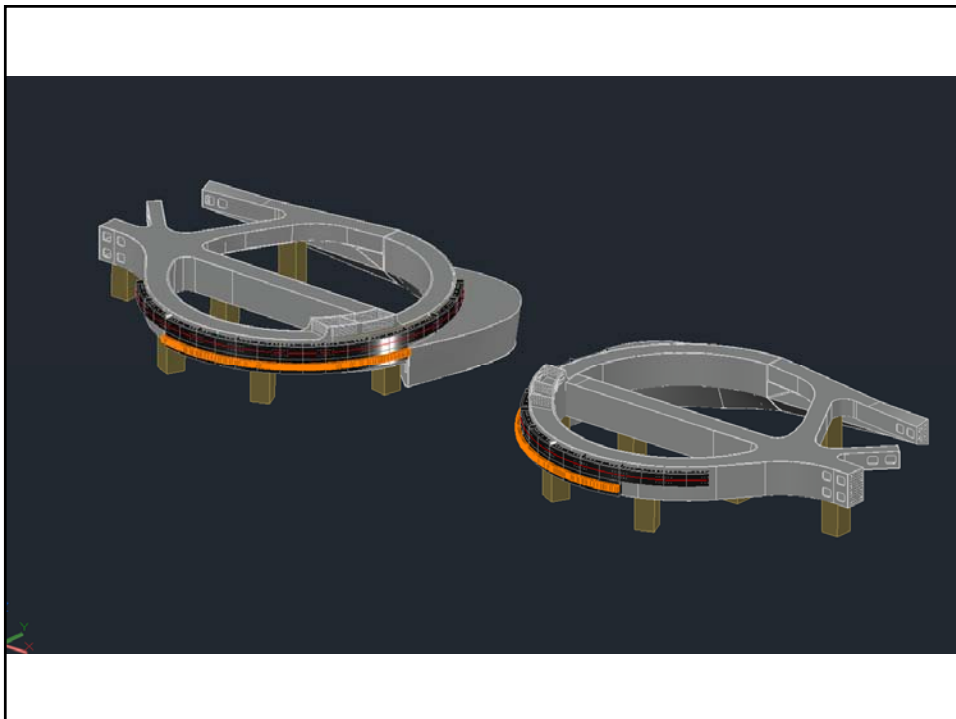
- Shipment One:
 - North and south rings, lower counter weight and falsework
 - Left ZTSS on July 19, now on Board AAL Kembla and at sea
 - Will arrive around 26 August
- Shipment Two:
 - Main bascule leaf with outriggers and walkways
 - Scheduled to ship 25 August and arrive the week of 19 to 26 September
- Span Support Segments:
 - Leaving Tianjin by container on 31 July 2017
 - Arrive Victoria around 26 August



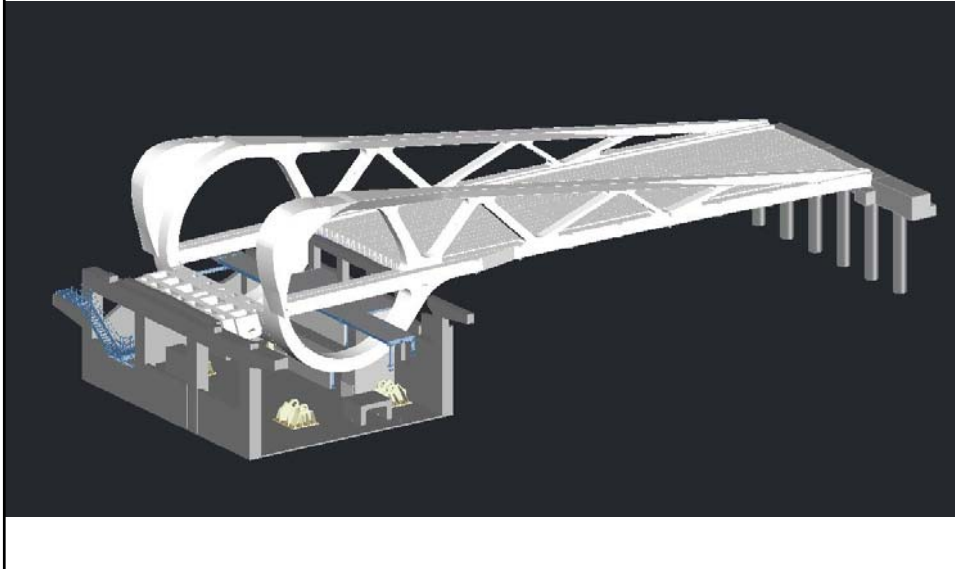


Actions on Arrival

- Steel will be off loaded on to a barge and taken to Point Hope Shipyards where it will be washed and finished painting
- Span support structures will be fitted to rings
- Falsework will be erected in bascule pier



Upper and Lower Counterweights



ZTSS Steel Progress

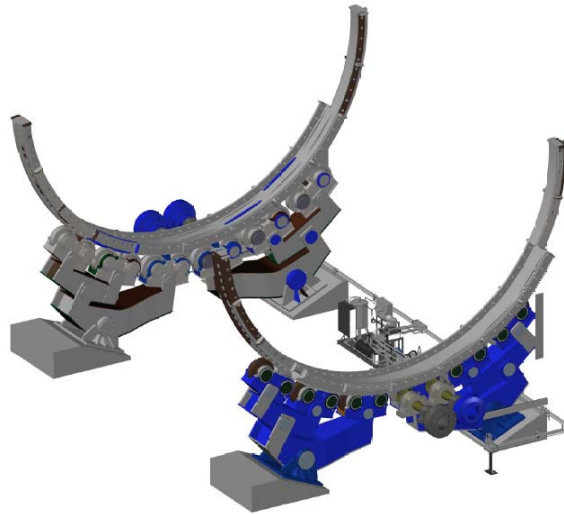
- PCL have shipped the rings, falsework and lower counter weight
- Shipment 2, the bascule leaf is in the process of painting and blasting and will ship in a month



Installing the Steelwork

- First item is installation of falsework
- Next lower counterweight is installed
- Then each ring is installed and the alignment set up
- Following this the complete bascule leaf is lifted into place

Span Support Structure



Span Support Structure

- Fabricated partly in Tianjin and installed in Victoria by United Engineering
- QuayQuip is a Dutch managed specialist in fabrication of similar machine parts
- Rail from France is in Tianjin and QuayQuip to do final machining of base
- Rack supplied by Steward Machinery and in transit to QuayQuip





Span Support Segment Blasted



Rack Segments



Schedule Update

- All ZTSS steel fabrication will be completed by end of August 2017
- QuayQuip manufactured span support structure will be completed and ready to ship at end of July
- United Engineering will attach span supports to rings in October and November 2017
- Bridge still scheduled to open to traffic by end of March 2018

Walkways and Lighting

- Test section of lighting undertaken for alignment
- Handrails are being installed





Citizen Engagement Update



Citizen Engagement Update

- Staff stay in contact with the Vic West and Downtown resident associations, as well as downtown and harbour stakeholders
- Effort for more images available locally and from abroad to demonstrate progress in construction that the public cannot see onsite
- When safe, media opportunities have been accommodated on site to raise awareness and understanding about ongoing construction





Public Realm Update

- Council directed staff on April 13, 2017 to prepare an interim design
- Work on Janion Plaza is completed and open
- Corner of Harbour Road and Esquimalt has been completed
- Grading of the area adjacent to the Delta Hotel has been completed
- Final solutions will be determined by Council

Fendering Update



Design Development

- Continuing to work on more cost effective solutions to north side fendering
- Construction work unlikely to commence before March 2018 because of steel assembly work in the area
- One alternative solution being developed but feasibility and costs need to be finalized before details are made public

Financial Implications

- Council approved \$8.206 million in additional project funding from the Building and Infrastructure Reserve as part of the 2016 Financial Plan Bylaw on May 5, 2016, resulting in a current budget of \$105.06 million
- Total spent to June 30, 2017 is \$83.843 million
- Remaining unallocated contingency at June 30, 2017 is \$852,012

Next Steps

Priority tasks over the next three months include:

1. Continue to monitor completion of steel fabrication package 2 by ZTSS in JingJiang (basculer leaf)
2. Monitor the span support structure delivery and installation in Victoria
3. Resolve the north side fendering design issues and bring a report to Council regarding next steps
4. Public realm progress

Recommendation

That City Council receive this report for information