

# New Vessel Construction Update

**Paula J. Hammond, P.E.**  
Secretary

**David L. Dye, P.E.**  
Deputy Secretary

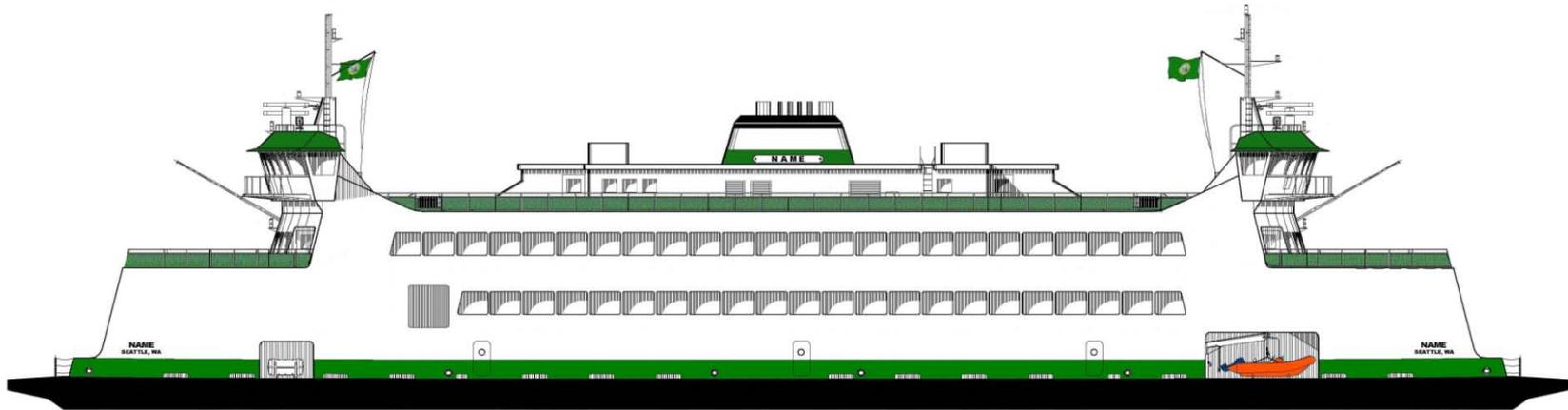
**Steve Reinmuth**  
Chief of Staff

**David Moseley**  
Assistant Secretary  
Ferries Division

**Captain George Capacci**  
Deputy Chief, Operations & Construction  
Ferries Division

**Washington State Transportation Commission**  
**March 23, 2011**

# Kwa-di Tabil Class



- 2010 - 2012 constructed
- 750 passengers / 64 vehicles
- *Chetzemoka* (2010), *Salish* (2011), *Kennewick* (2012)

# New Builds - M/V *Chetzemoka*



- Construction started Jan. 2009
  - Accepted Sept. 15, 2010
  - Christening Nov 14, 2010
  - In-service Nov. 15, 2010
  - Port Townsend – Coupeville
- 
- Traffic Statistics (Nov 15 – Feb 28)
    - Vehicle 18.8% increase over 2010/11
    - Passenger 12.8% increase

# New Builds - M/V *Salish*

- Currently 91% complete
- Keel laid date April 19, 2010
- Dec 23, 2010 launch
- Jan 4, 2011 christening
- Feb 7, 2011 moved to Everett Shipyard for final outfitting
- Builders trials April 2011
- Delivery early May 2011
- In Service Summer 2011



# M/V *Salish*



# New Builds - M/V *Kennewick*

- Vessel is 54% complete
- In construction at Todd's
- Roll out from construction shed April 1, 2011
- Launch & outfitting May 2011
- Builders Trials October 2011
- Delivery October 2011



# New Builds – 64-Auto Vessels Budget

## Chetzemoka

- Budget of \$76.93M
- Final cost \$80.5M
- \$3.6M or 4.7% over budget

## Salish & Kennewick

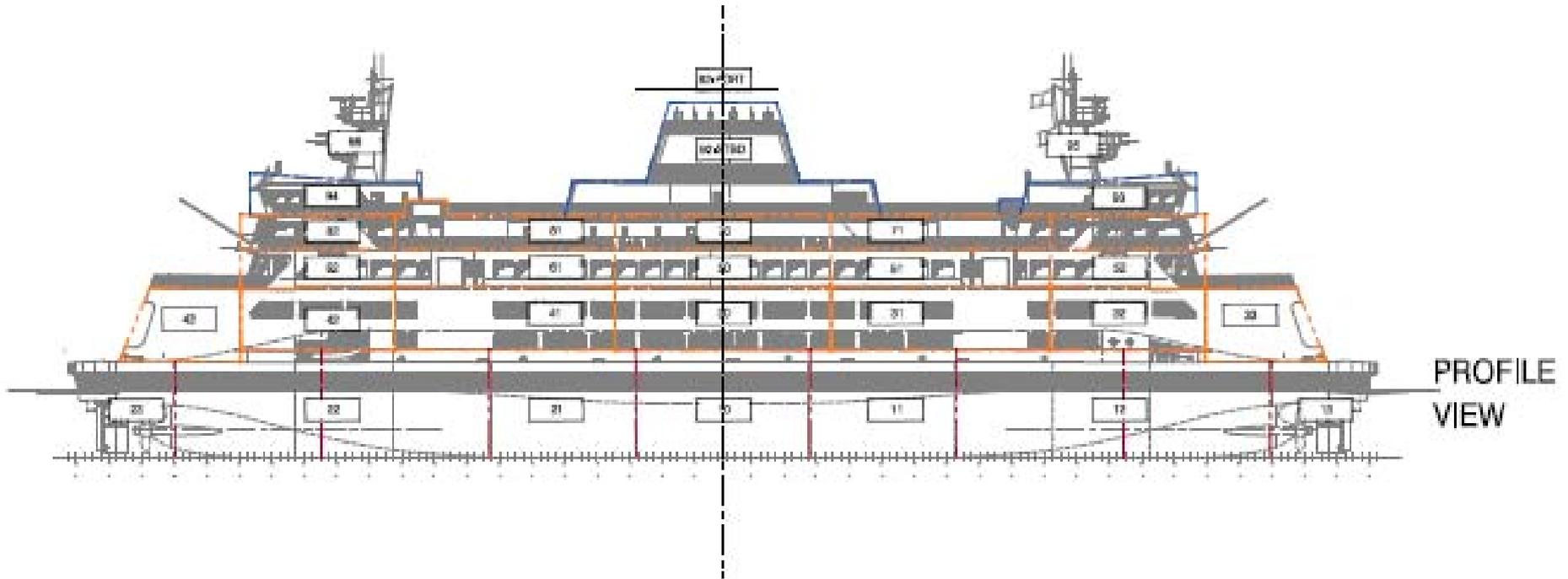
- Budget of \$136.3M was added to the Chetzemoka budget of \$76.93M for a total project budget of \$213.2M for the 3 vessels
- Vessels 2 and 3 were awarded to Todd Pacific Shipyard for \$114.1M on October 13, 2010
- Currently under-budget and on-schedule on the Salish
- Currently under-budget and ahead of schedule on the Kennewick
- Three vessel procurement projected to be under budget

# New Builds – 144-Auto Vessels

## Detailed Design by Consortium of Shipbuilders

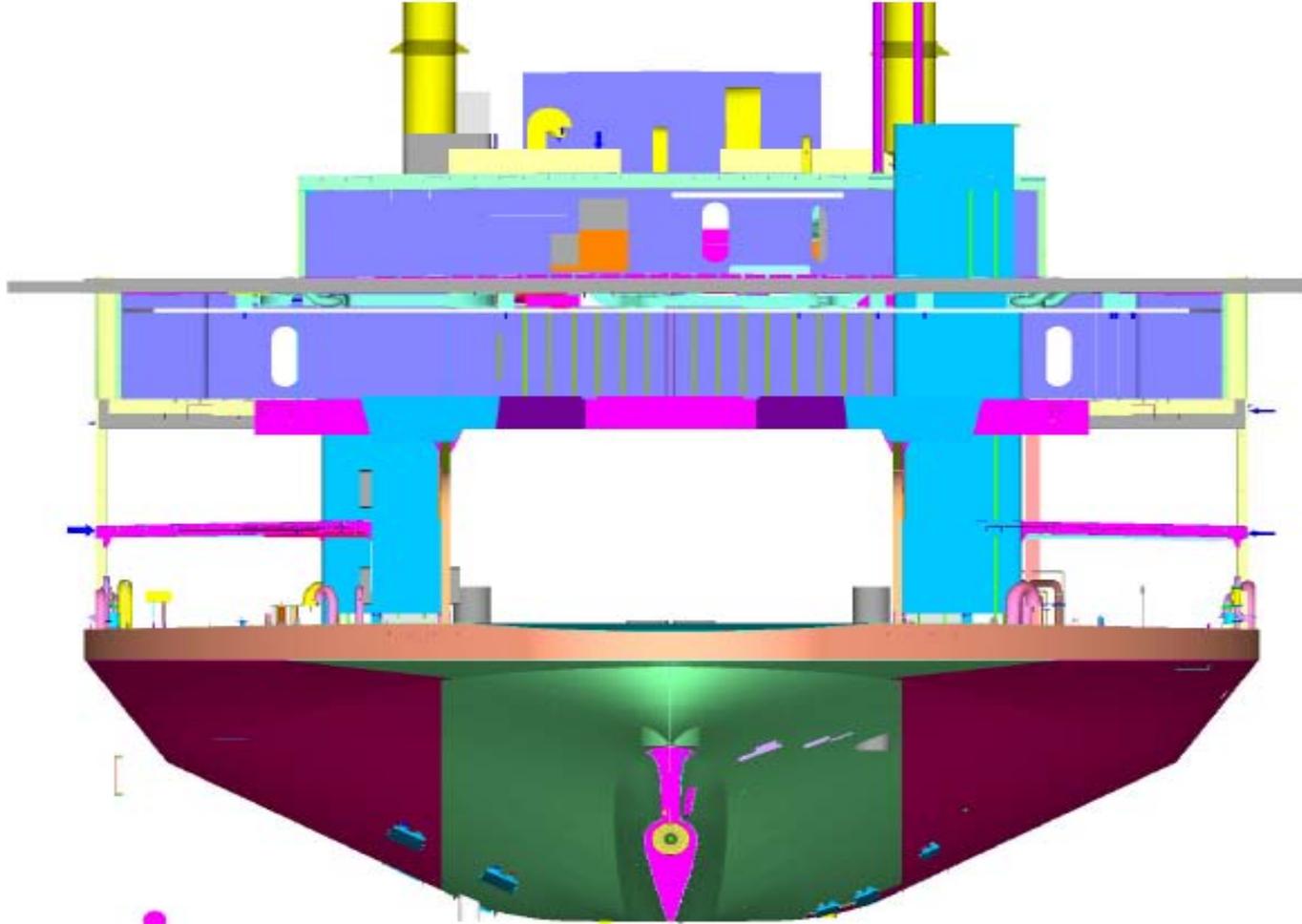
- Estimating is ongoing for the detailed design by the Todd / Nichols / Martinac consortium. If funded, WSDOT will start price negotiations in spring. The final design by the consortium will be complete by June 30, 2011.
- WSDOT construction program estimate will be complete by end of March 2011.
- Detailed drawing review is 90% complete & unit construction module drawings complete for hull units.
- Piping, Outfitting and Electrical System Modeling at 65% completion.
- Propulsion System Contract: Two propulsion diesel systems machinery in storage. One (or two) diesel engines needed pending procurement decision (federally funded). Diesel generators in storage. Components not needed for the 64-Auto Ferries are being maintained & preserved for future installation.
- The Governors Proposed Budget contemplates a steel superstructure.

# New Builds – 144-Auto Vessels Construction Assembly Diagram



# New Builds – 144-Auto Vessels

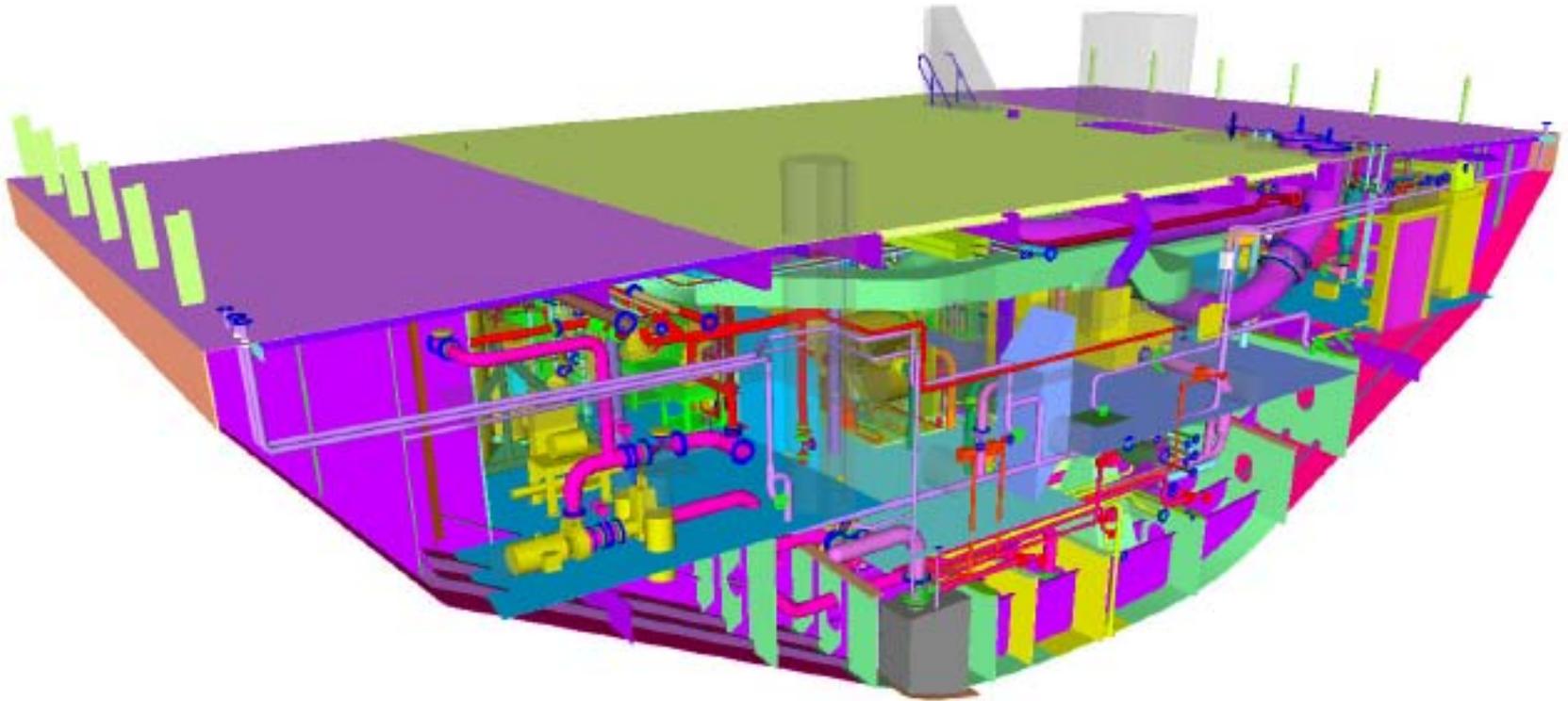
## 3D Model Construction



# New Builds – 144-Auto Vessels

## 3D Construction Module - Unit 21 of 37

Machinery Room  
Vehicle Deck Level from Above



# Questions?

For additional information on New Vessel Construction,  
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