



Alaska Department of Transportation & Public Facilities

TUSTUMENA REPLACEMENT

Presentation
May 2014



M/V Tustumena – Replacement Vessel





Agenda

- **Why replace the Tustumena?**
- **What is the status of the Tustumena?**
- **What is the replacement vessel design schedule?**
- **How will the replacement vessel look and feel?**
- **Your questions**



Why replace the Tustumena?

It's time.



Age: 50 years old
Capacities: 36 Vehicles (720 Lane Feet)
174 Passengers

<http://static.panoramio.com>



Why replace the Tustumena?

Increased Capacity.

Ongoing Traffic Analysis

1 vessel system
3 service areas

- (1) Homer-Seldovia:
Current schedule is effective
- (2) Homer-Kodiak:
Possible unmet traffic demand
- (3) Homer-Aleutian:
 - Kodiak-Chignik
 - Akutan-Dutch Harbor





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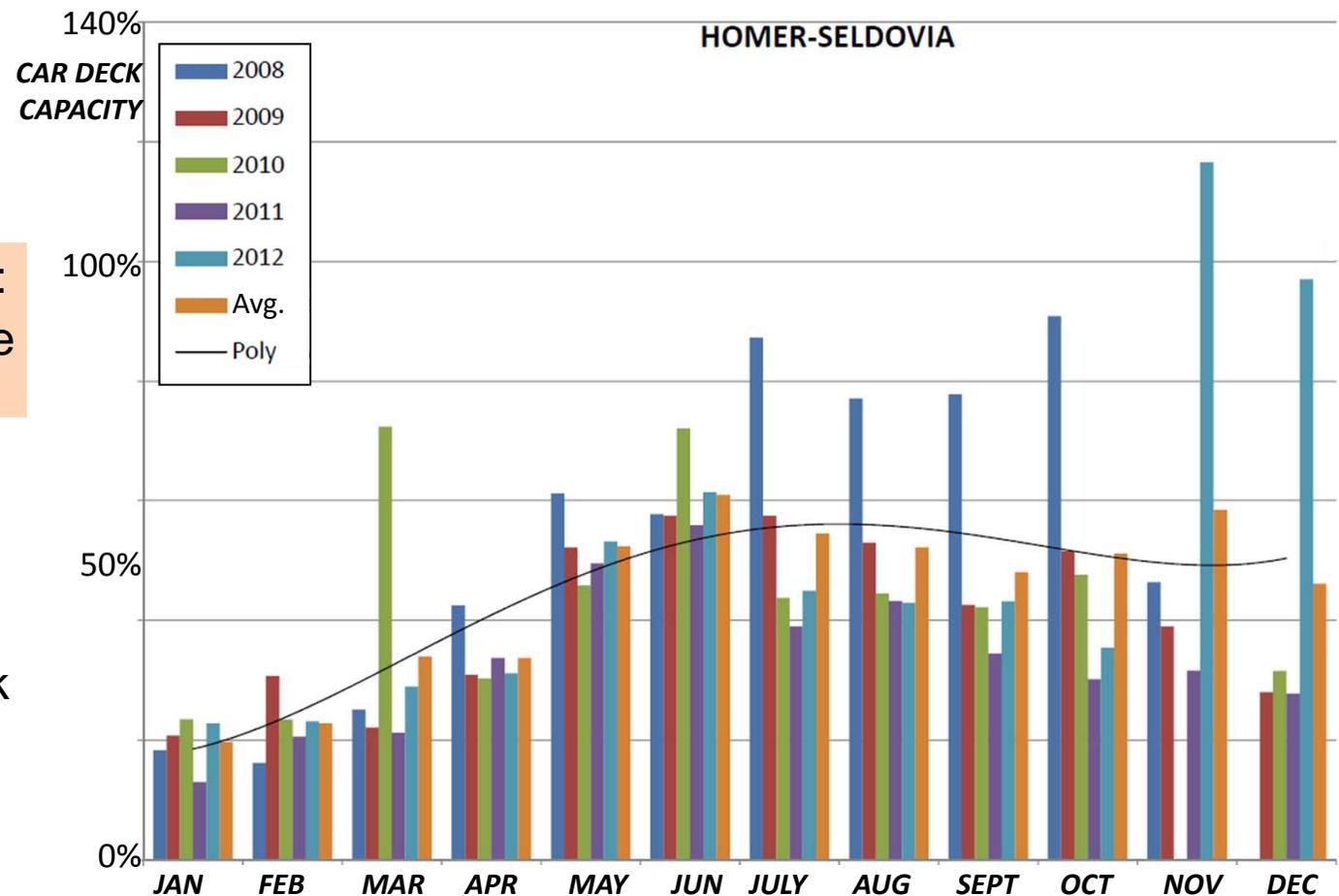
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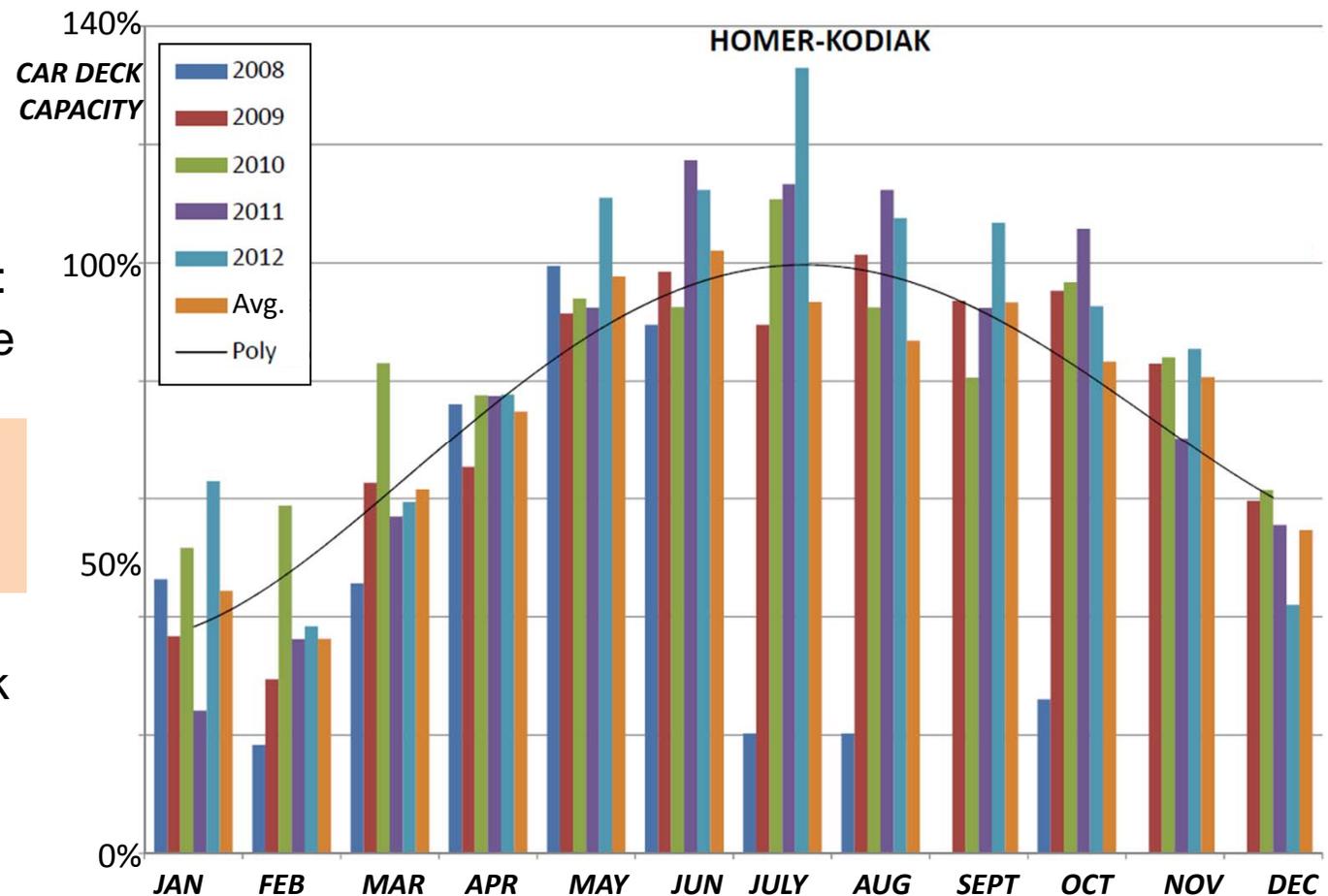
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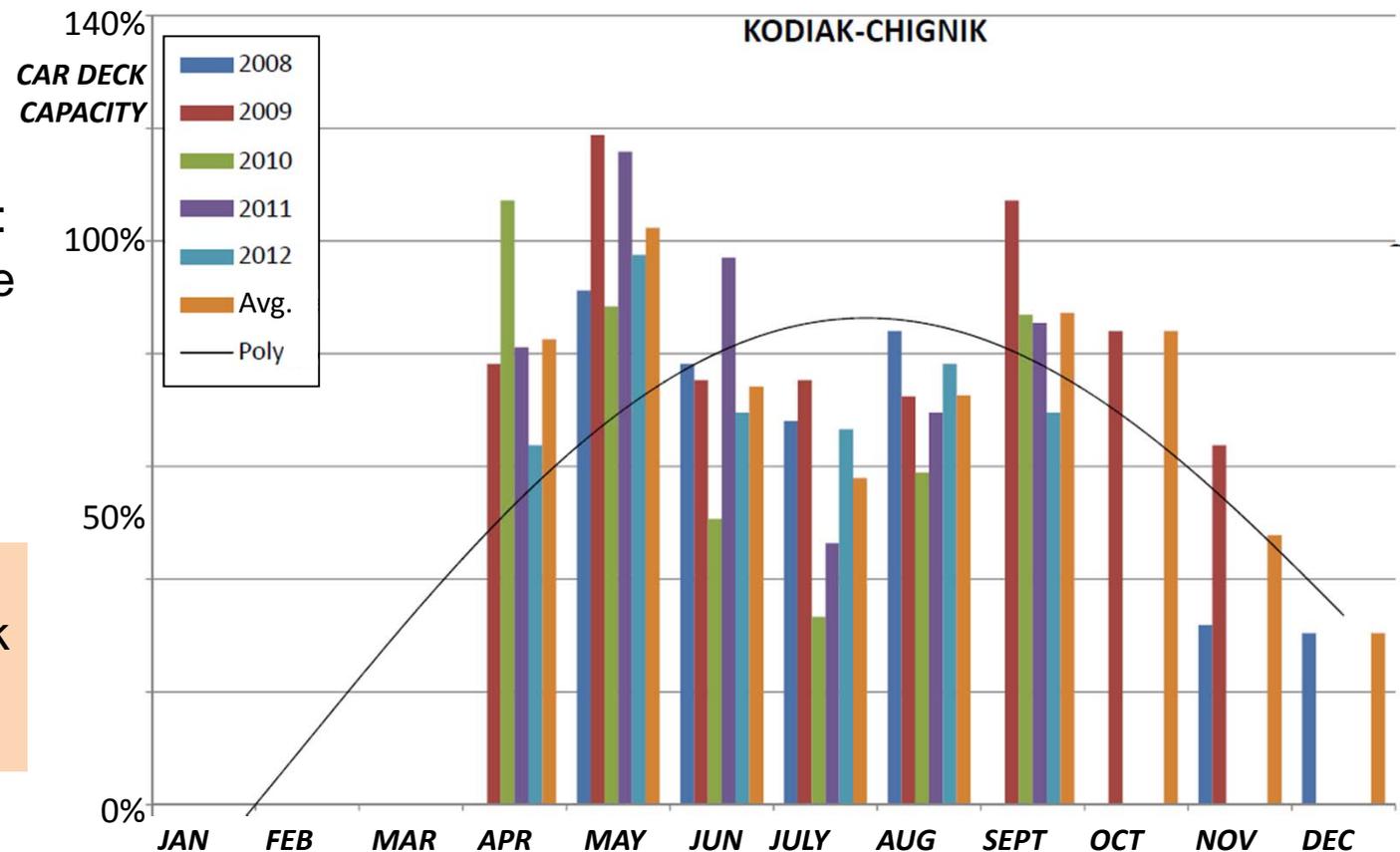
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Ongoing Traffic Analysis

1 vessel system

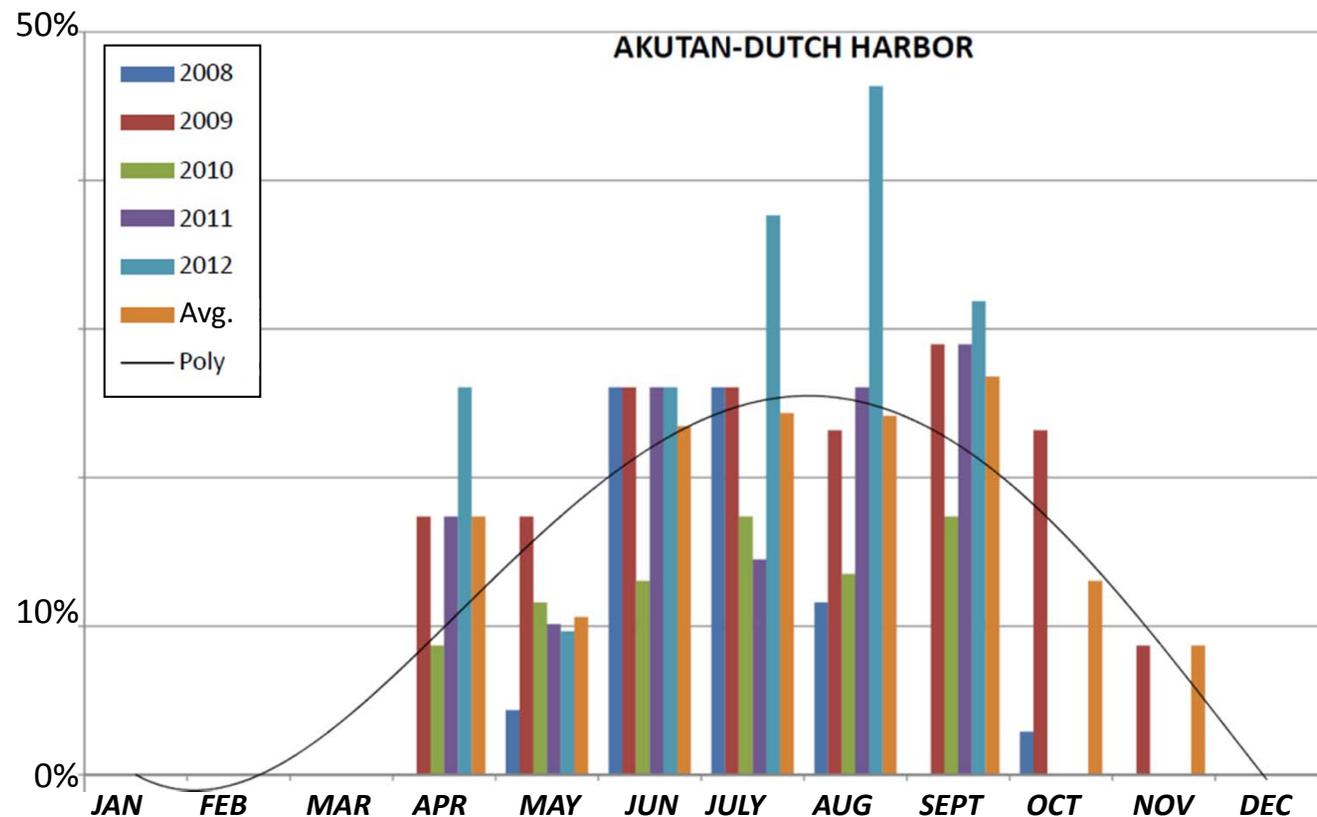
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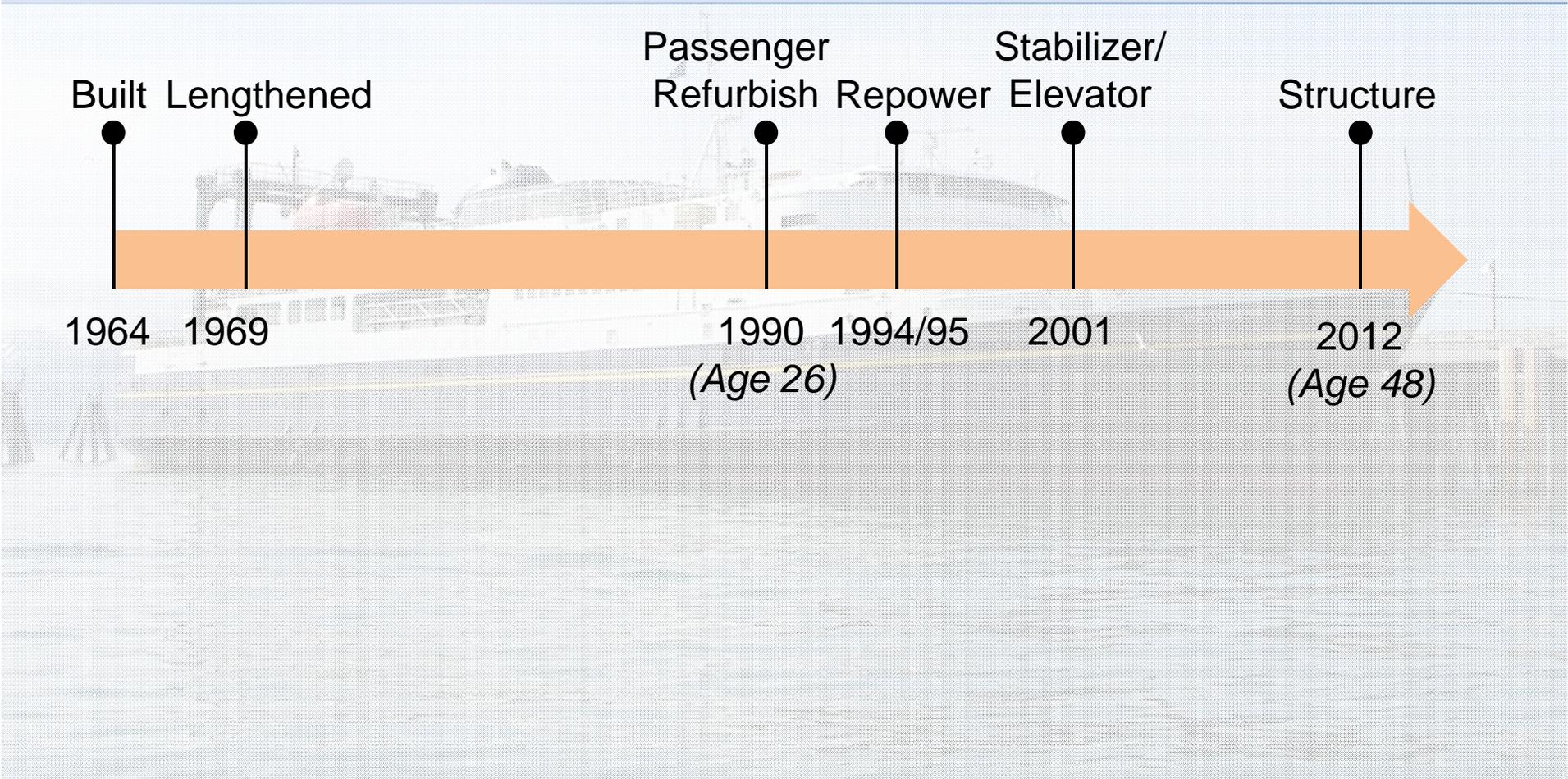
- Kodiak-Chignik
- Akutan-Dutch Harbor





What is the status of the Tustumena?

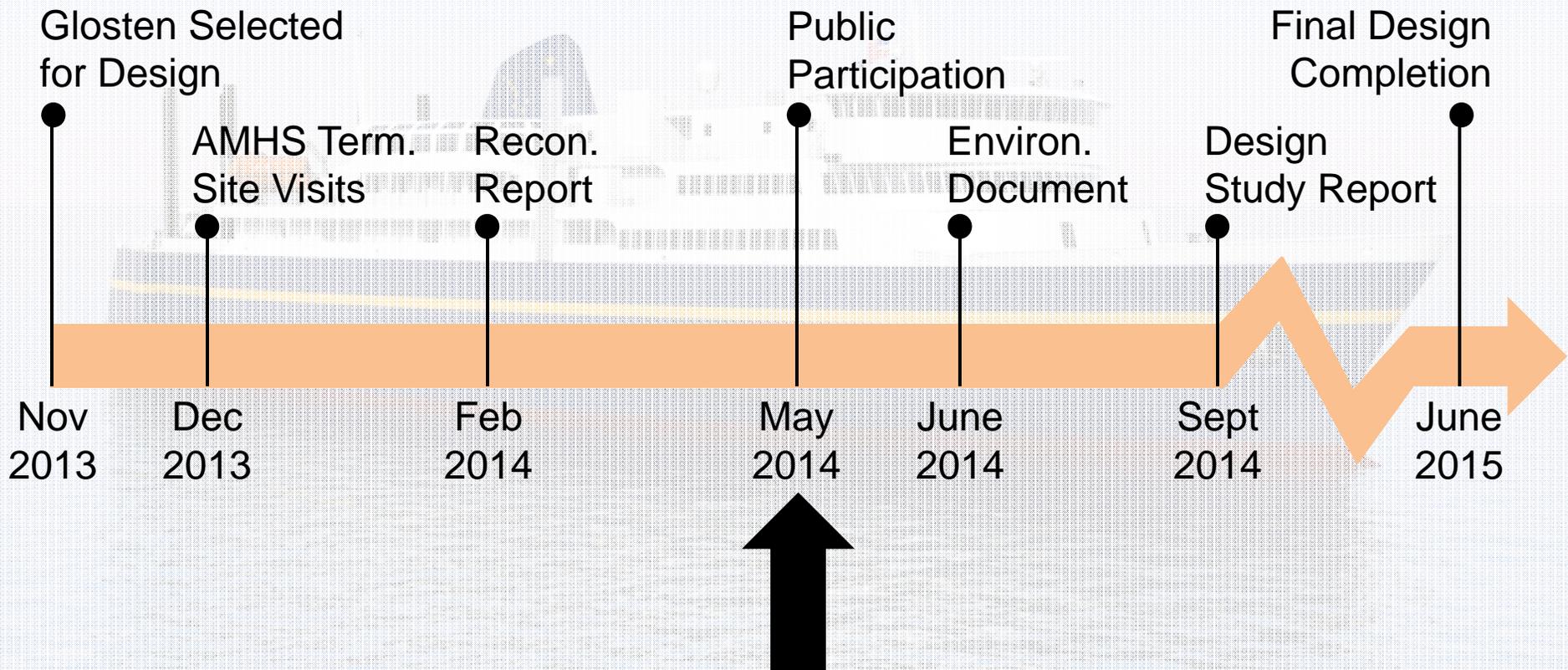
Tired, but still Capable.





What is the replacement vessel design schedule?

Final Design – June 2015.

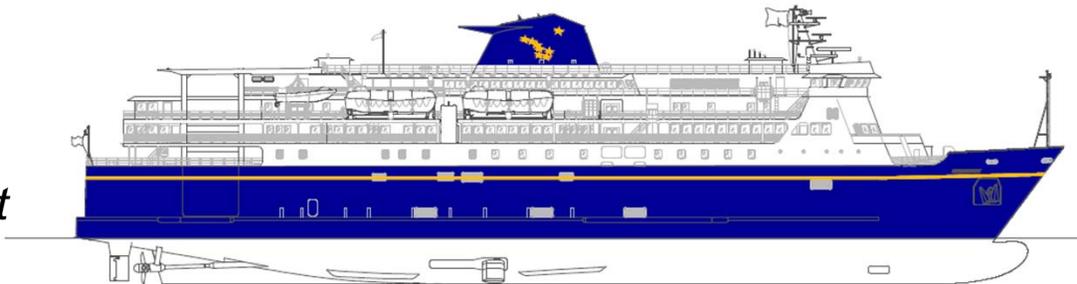




How will the replacement vessel look and feel?

***Larger
and Faster.***

Kennicott



*Tustumena
Replacement*



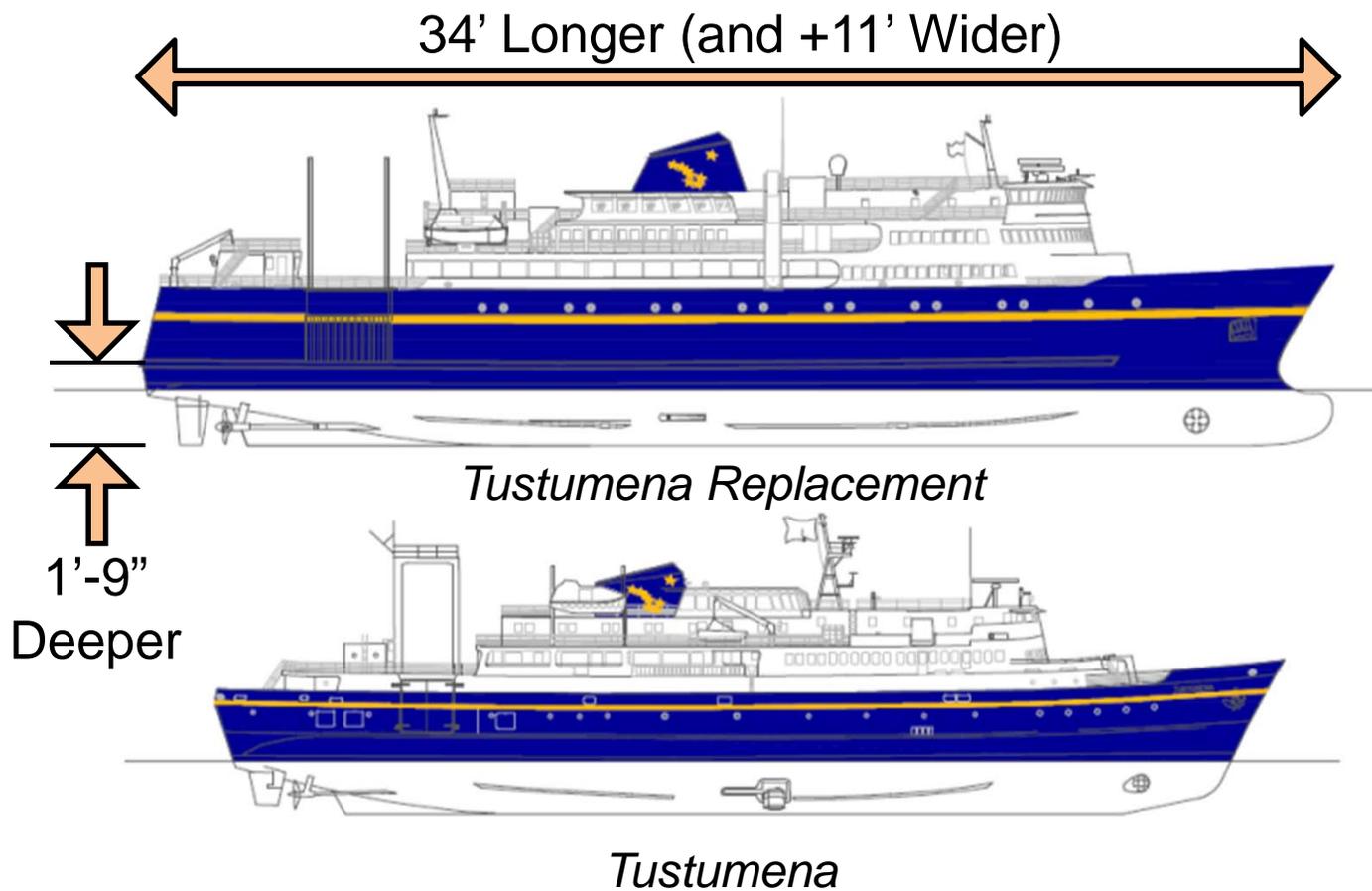
Tustumena





How will the replacement vessel look and feel?

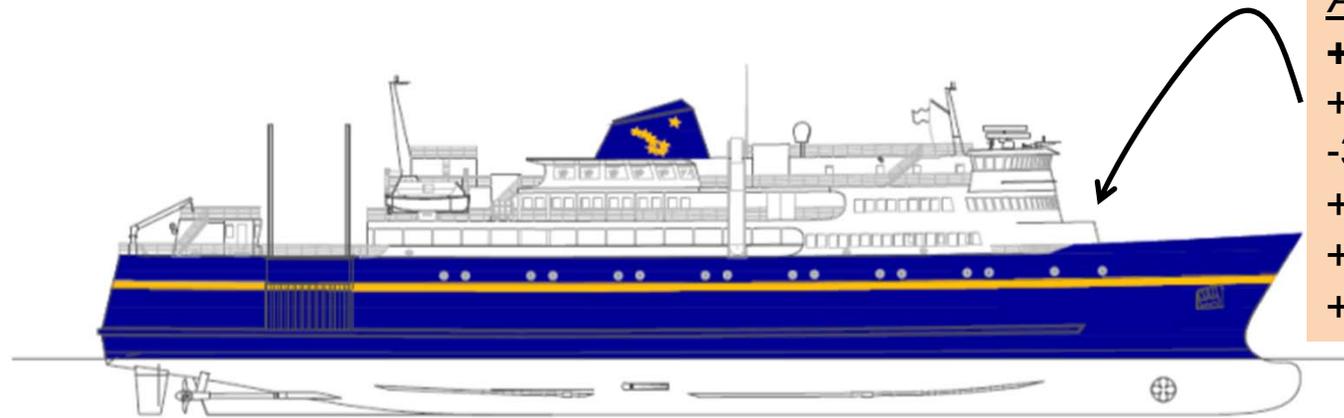
**Larger
and Faster.**





How will the replacement vessel look and feel?

Larger and Faster.



Tustumena Replacement



Tustumena

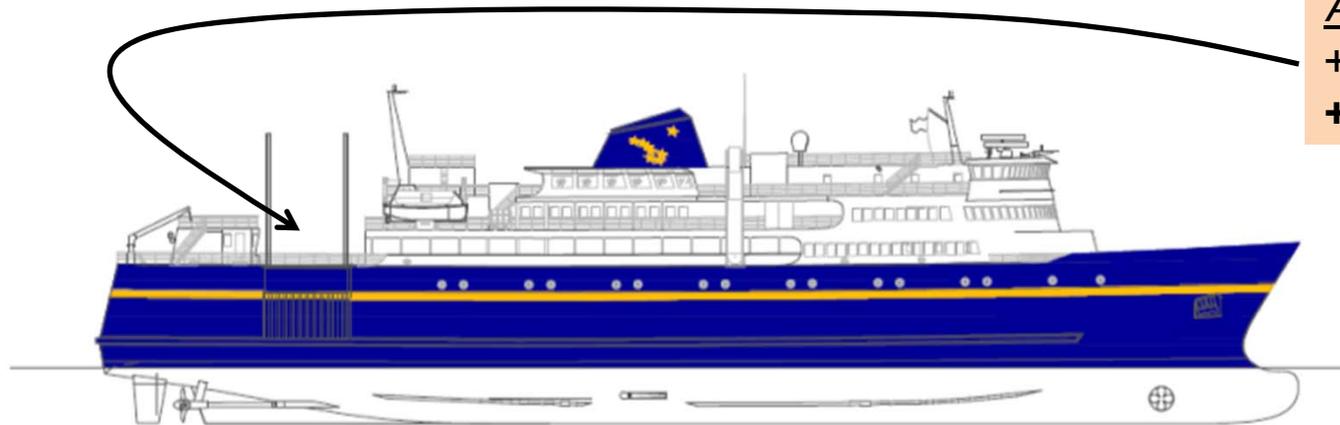
ADDITIONAL CAPACITY

- +76 Passengers**
- +5 Staterooms (4-Berth)
- 3 Staterooms (2-B)
- +17 Roomettes (2-B)
- +1 ADA Stateroom (2-B)
- +1 ADA Stateroom (4-B)



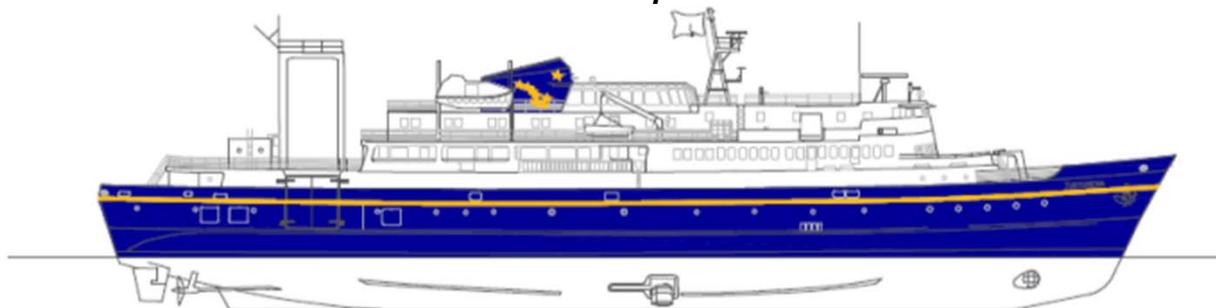
How will the replacement vessel look and feel?

***Larger
and Faster.***



ADDITIONAL CAPACITY
+16 Vehicles (or +6 Vans)
+415 Lane Feet

Tustumena Replacement

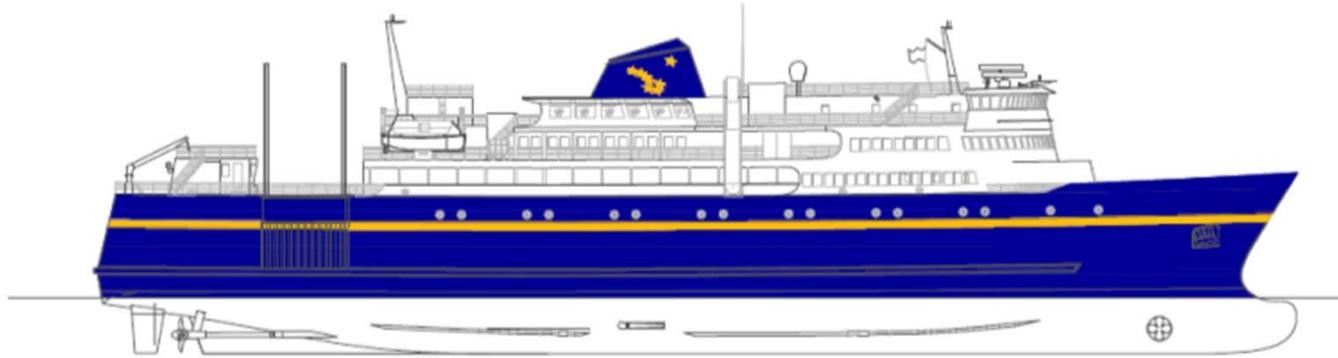


Tustumena



How will the replacement vessel look and feel?

**Larger
and Faster.**



Tustumena Replacement

15 kts



Tustumena

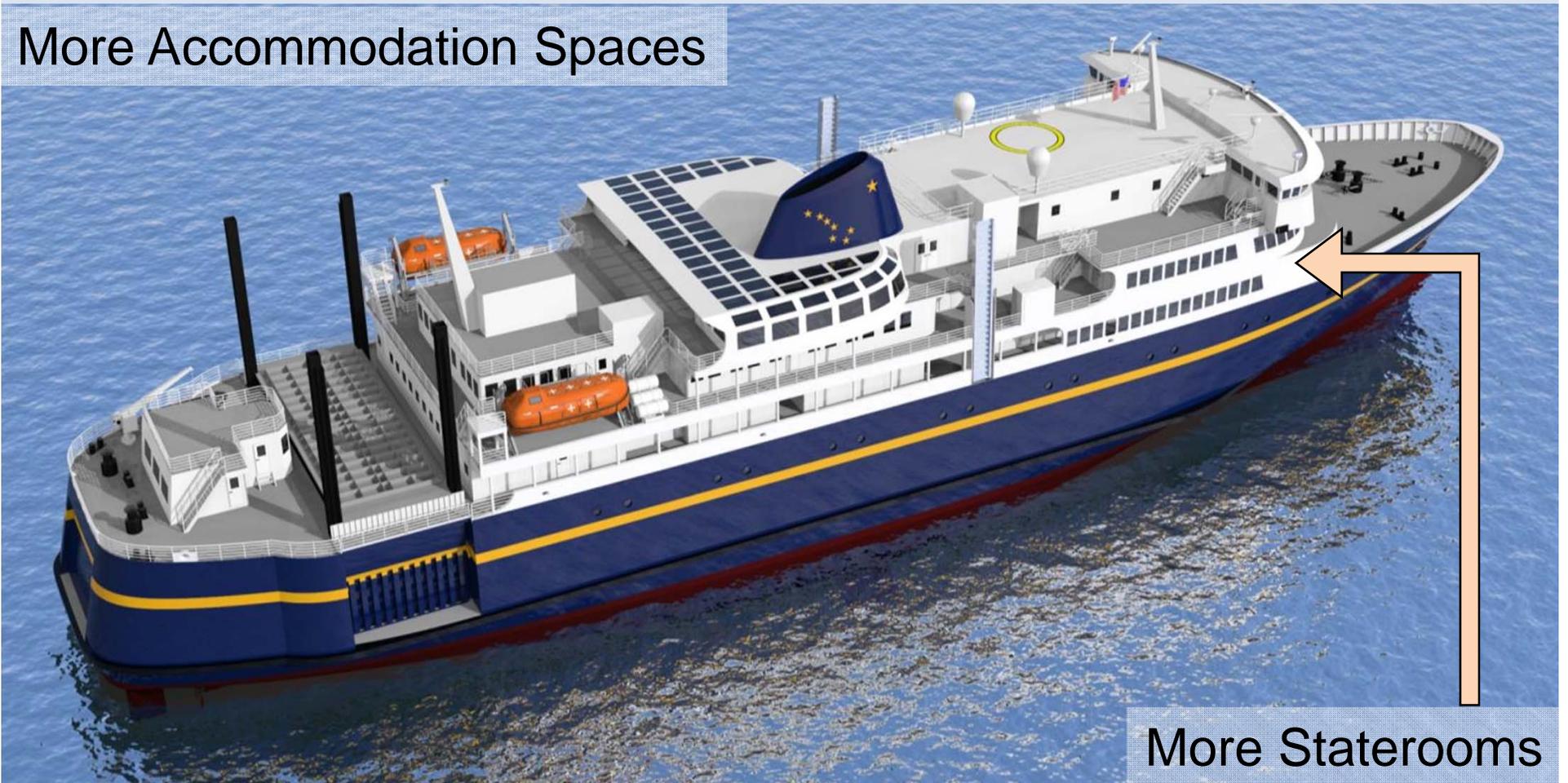
13.5 kts



How will the replacement vessel look and feel?

***Larger
and Faster.***

More Accommodation Spaces

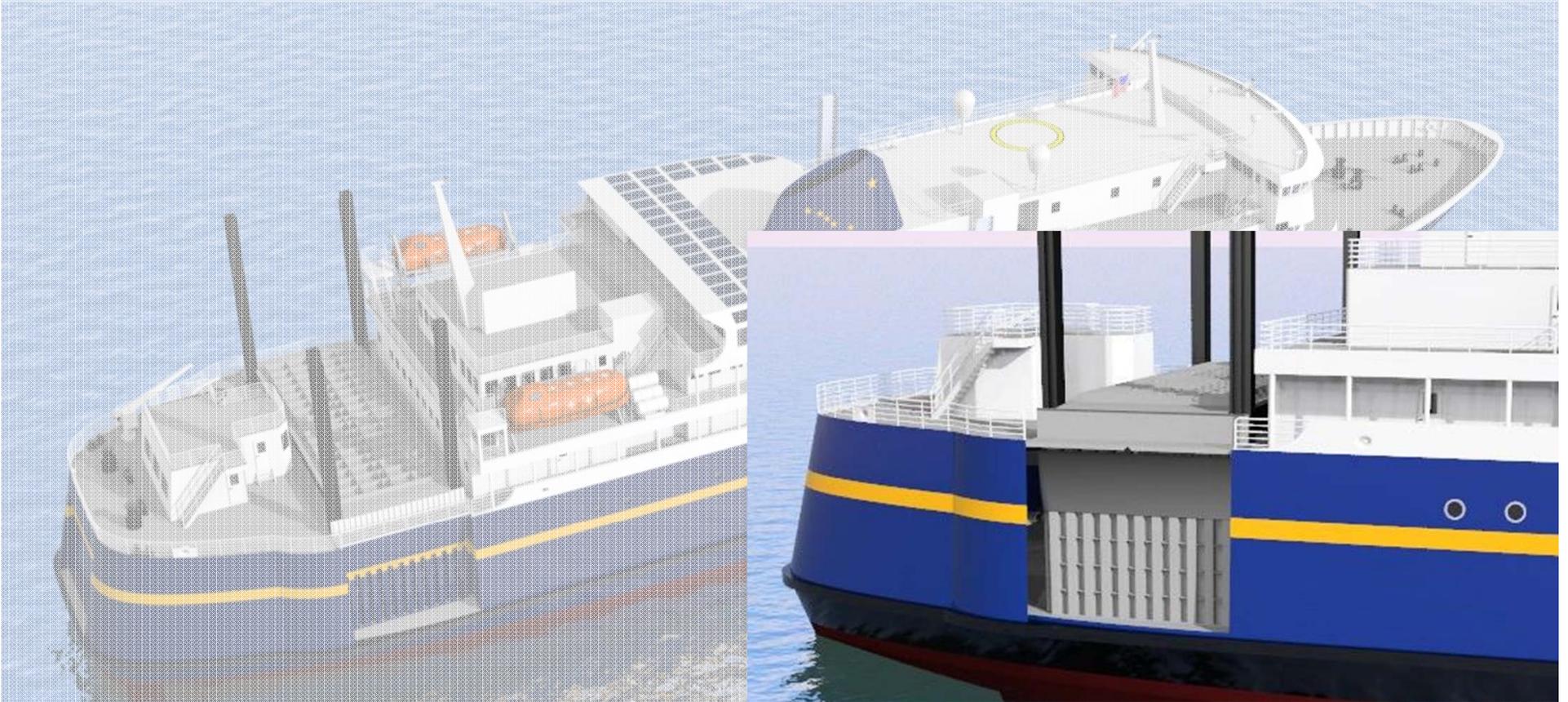


More Staterooms



How will the replacement vessel look and feel?

***Larger
and Faster.***



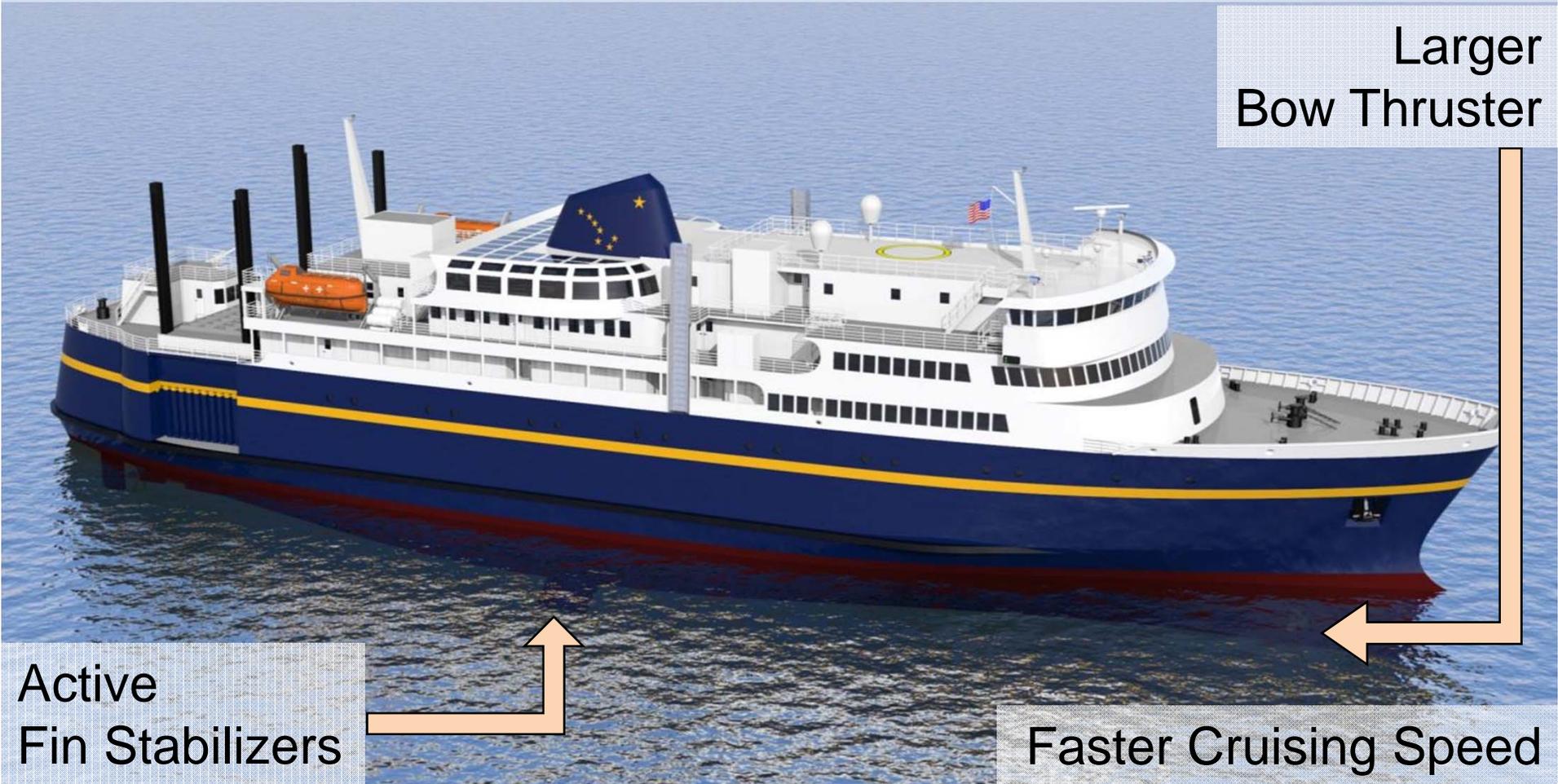
Large Vehicle Elevator Platform



How will the replacement vessel look and feel?

Larger and Faster.

Larger
Bow Thruster



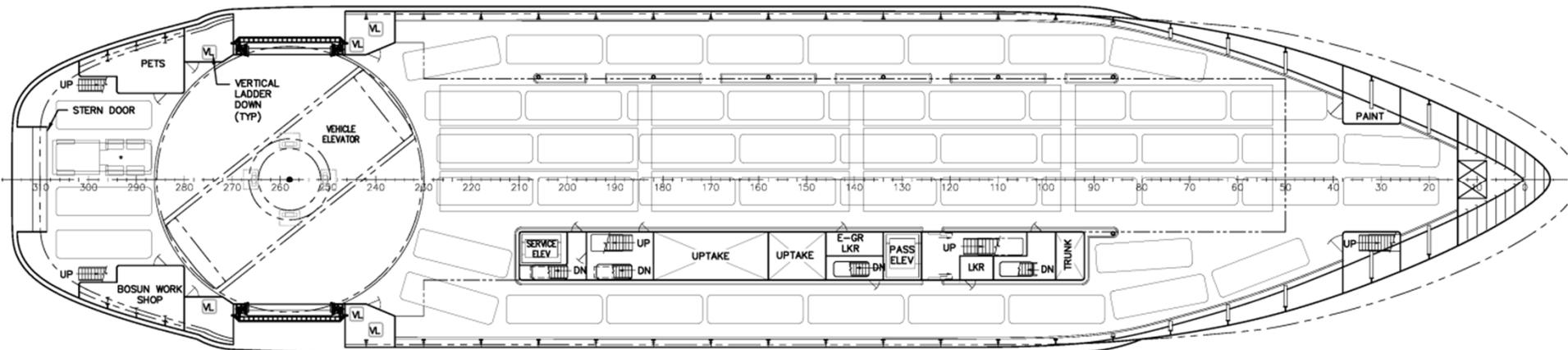
Active
Fin Stabilizers

Faster Cruising Speed



How will the replacement vessel look and feel?

Larger and Faster.

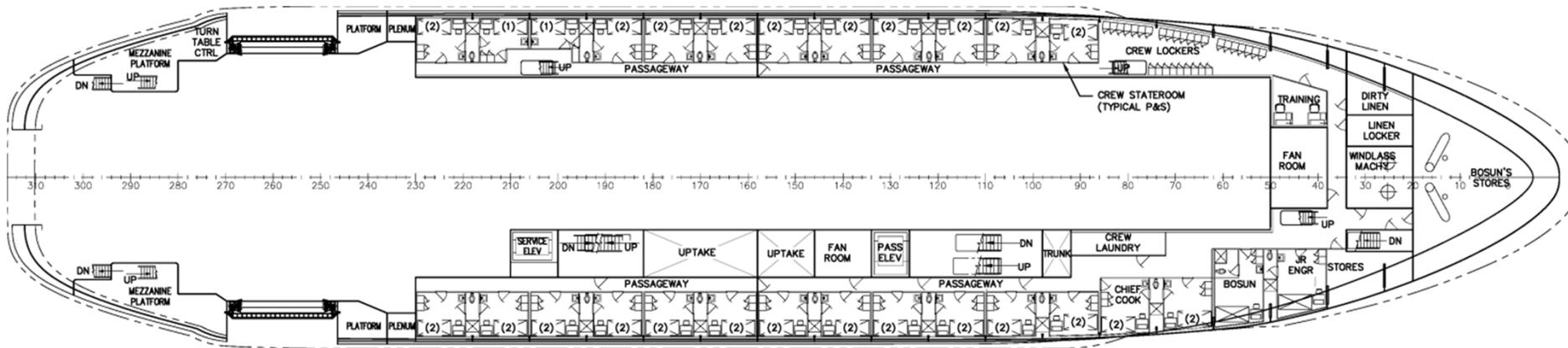


Main Deck



How will the replacement vessel look and feel?

Larger and Faster.

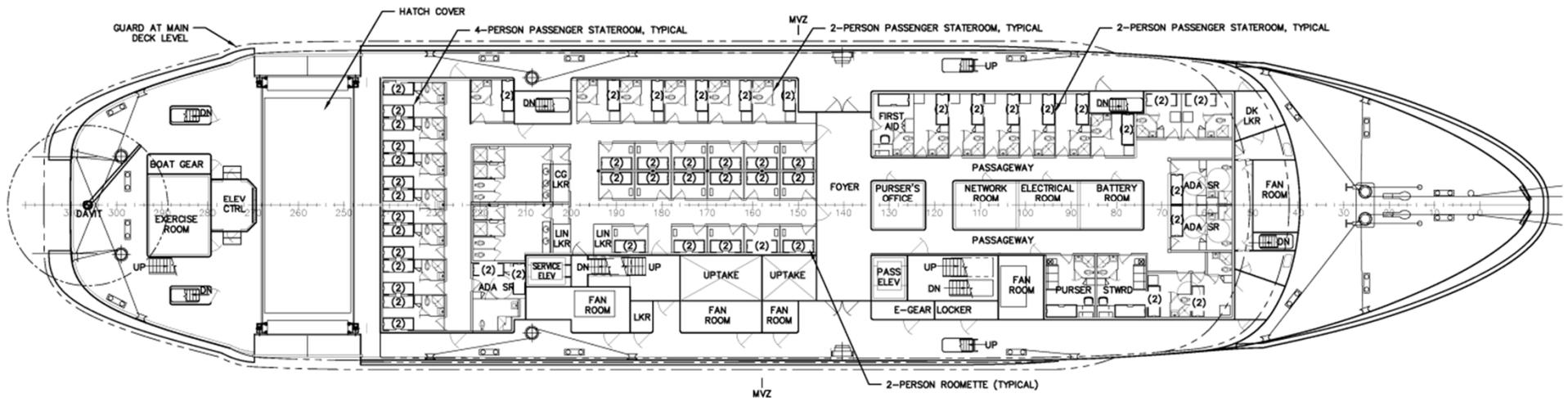


Mezzanine



How will the replacement vessel look and feel?

Larger and Faster.

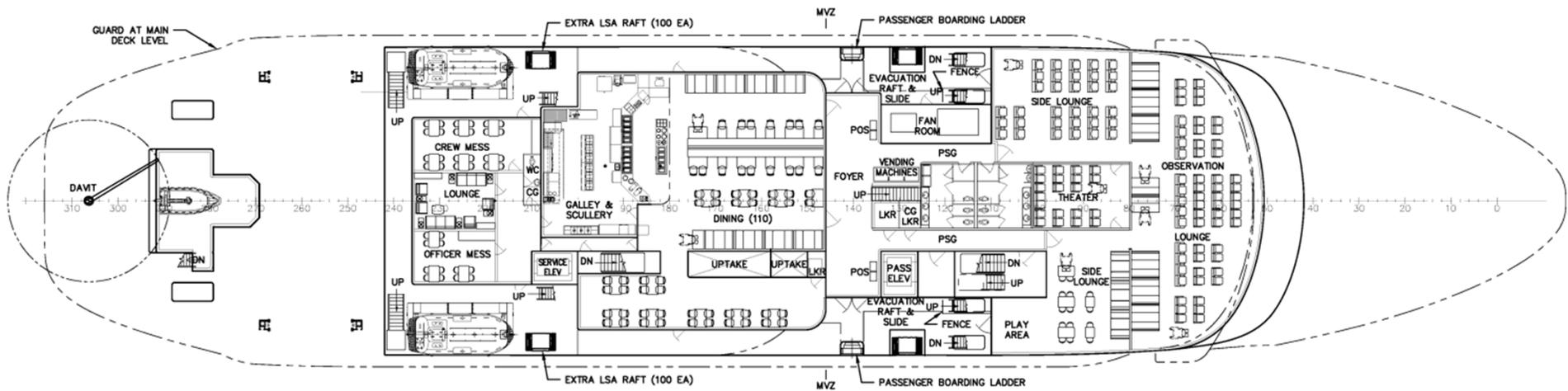


Cabin Deck



How will the replacement vessel look and feel?

Larger and Faster.



Boat Deck



Additional Design Features

- Cafeteria with horseshoe shaped galley.
- No Bar.
- Forward observation lounge above cabin deck.
- Offset casing with mezzanine deck to utilize non-van deck height.
- Liquefied Natural Gas (LNG) Analysis continuing. Need to work with United States Coast Guard (USCG) regarding fuel tank issues.



Closing Remarks

- **Why replace the Tustumena?** *It's time.*
- **What is her status?** *Tired, but still Capable.*
- **What is the replacement vessel schedule?** *Final Design – June 2015.*
- **How will the replacement vessel look and feel?** *Larger and faster.*
- **Your questions**



Your Questions

