

# **WSDOT Ferries Division**

## **14' Vehicles, 144-car Ferry and Tariff**

**Paula Hammond, P.E.**  
Secretary of Transportation

**Dave Dye, P.E.**  
Deputy Secretary

**Steve Reinmuth**  
Chief of Staff

**George Capacci**  
Deputy Chief for Operations and Construction

**Ray Deardorf**  
Planning Director  
Ferries Division

**Washington State Transportation Commission**  
**January 17, 2012**

# Presentation Overview

- Implementation of Under 14' Vehicle Fare
- Construction of New 144-car ferry
- Action Item – Minor Tariff WAC Change to Support New Reservations System

# Under 14' Vehicle Fare

- Developed to encourage travelers to choose to use smaller vehicles when traveling aboard WSF routes, freeing up car deck space and “growing the boat”.
- Used by 105,000 vehicles in October through December, or 4.7% of non-oversized traffic.
- 10% reduction in fares compared to standard vehicles.
- 20% reduction in fares effective May 1, 2012.

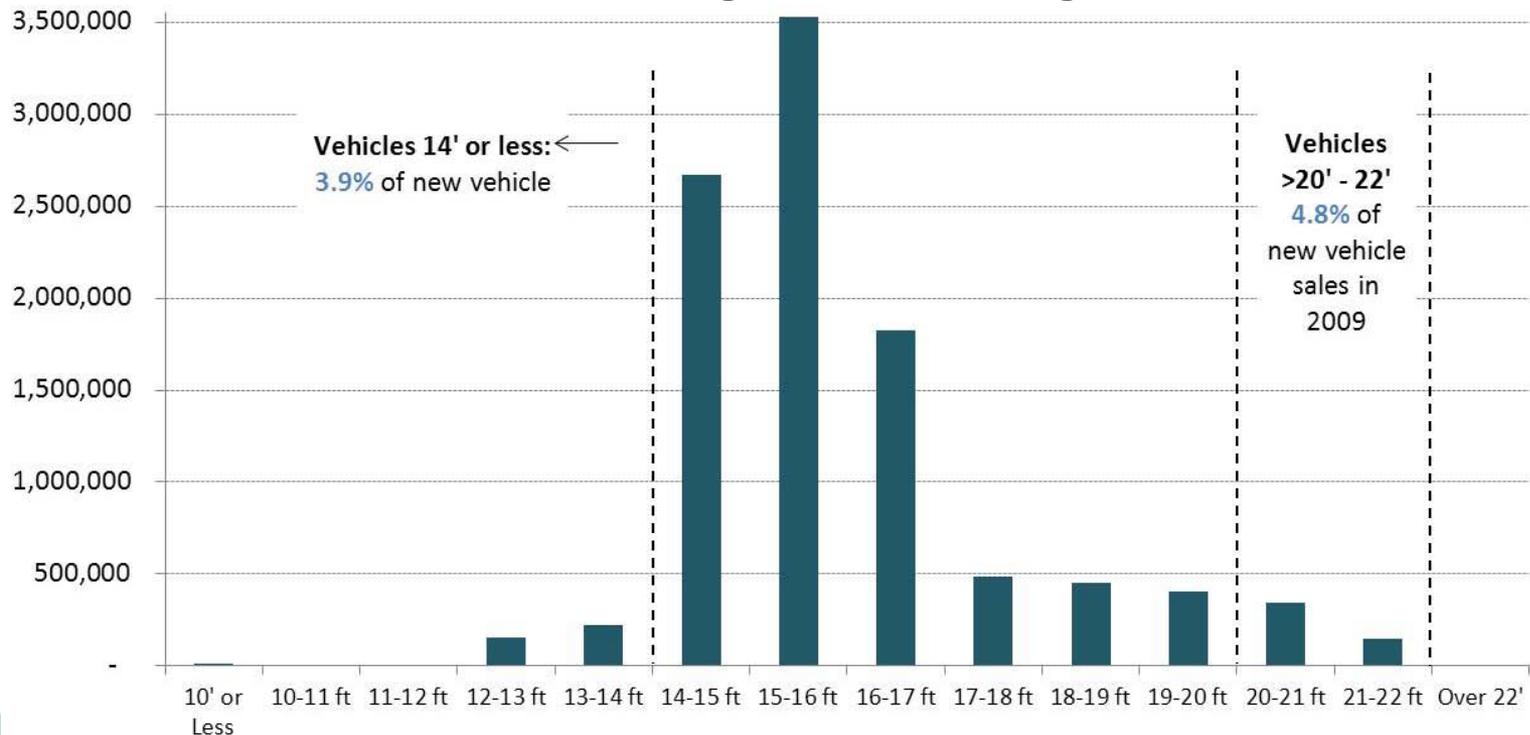
# Implementation and Challenges

- New “green” striping at toll booths.
- Measuring wheel.
- List of vehicles under 14’ at toll booths and on line.
- Vehicle owners manual lists overall car length in inches (168” = 14’).
- While only about 4% of vehicle models are under 14’, a number of vehicles are just over 14’ in length.
- Challenge to accurately measure has led to some confrontation with tollbooth staff.
- Solutions to challenges later in presentation.

# Rationale for New Category Definitions

- **New small vehicle category.** Cutoff placed at 14-feet in length based on an evaluation of U.S. fleet sales data and extensive conversations with terminal operations.
- **14 to 22-foot vehicles.** Extending the standard vehicle to 22-feet will significantly improve transaction efficiency at the tollbooth.

2009 Sales of Passenger Vehicles and Light Trucks



# Moving Forward with Under 14' Fare

- A more structured and consistent way of measurement is being developed – this will involve metal bars and the use of a laser.
- While initially more time consuming at tollbooths, once verified, vehicles will get a “green” sticker in their windshield for quick identification with subsequent transactions.
- These are still interim steps until better technology is available.
- Potential for wireless “in motion” measurement.

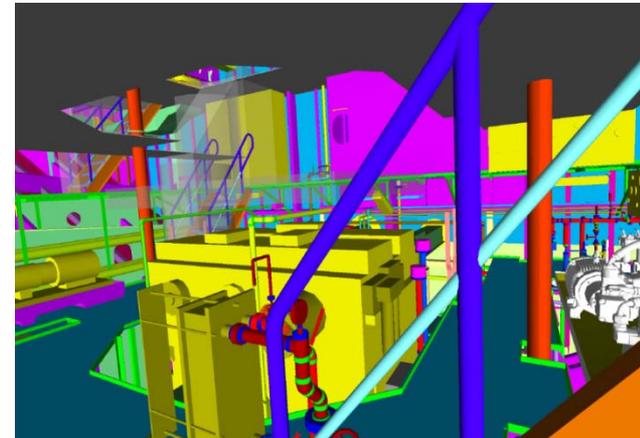
# Contract Status – 144 Auto Ferry

- Nov 01, 2011 - Price and schedule negotiations completed; Change Order signed to existing contract to construct a 144 auto ferry.
- Nov 21, 2011 - Notice to Proceed issued to US FAB LLC.
- Dec 22, 2011 - US FAB submitted to WSF a list of all subcontractors being used on the project.
- Dec 27, 2011 - US FAB submitted a price for the 2<sup>nd</sup> 144 ferry of \$109,424,358 to be delivered Nov 2014.



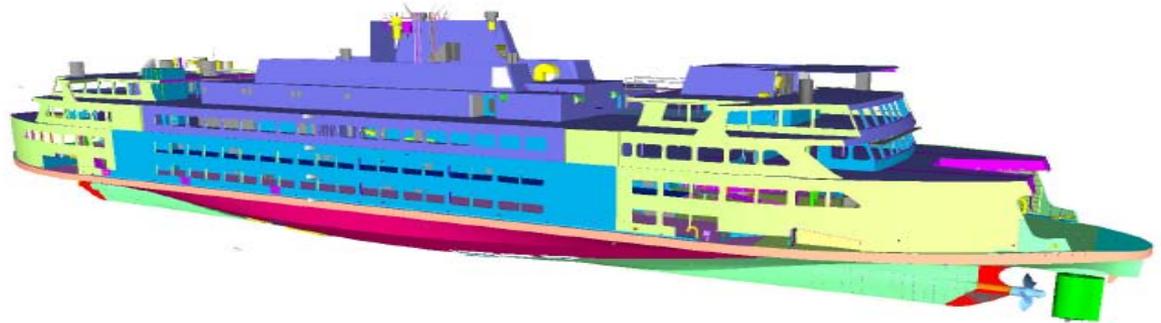
# New 144 Current Status & Future Milestones

- Dec 2011 thru Jan 2012 - US FAB negotiating/finalizing with prime sub-contractors, placing long lead material orders and increasing work force to start construction
- February 21, 2012 - Master Construction Schedule submitted to WSF
- Feb 2012 - Start Construction
- May 2012 - Keel Laying
- Aug 2012 - Class name determined by WSDOT
- Nov 2012 - Vessel name assigned by Commission
- Fall of 2013 - Vessel Christening
- Feb 2014 - Delivery to WSF



# 144 Auto Ferry Construction Budget

Project Element	Current Budget	Commitment To date
Construction Engineering	\$2,427,532	\$7061
OFE	\$1,000,000	
OFE Support	\$2,104,721	\$1,493,371
OFE Storage	\$200,409	
Shipyard Cost	\$117,600,000	\$115,345,212
Final Outfitting	\$500,000	
Capital Spares	\$2,000,000	
Contingency	\$21,080,395	
<b>Total</b>	<b>\$146,913,057</b>	<b>\$116,845,644</b>



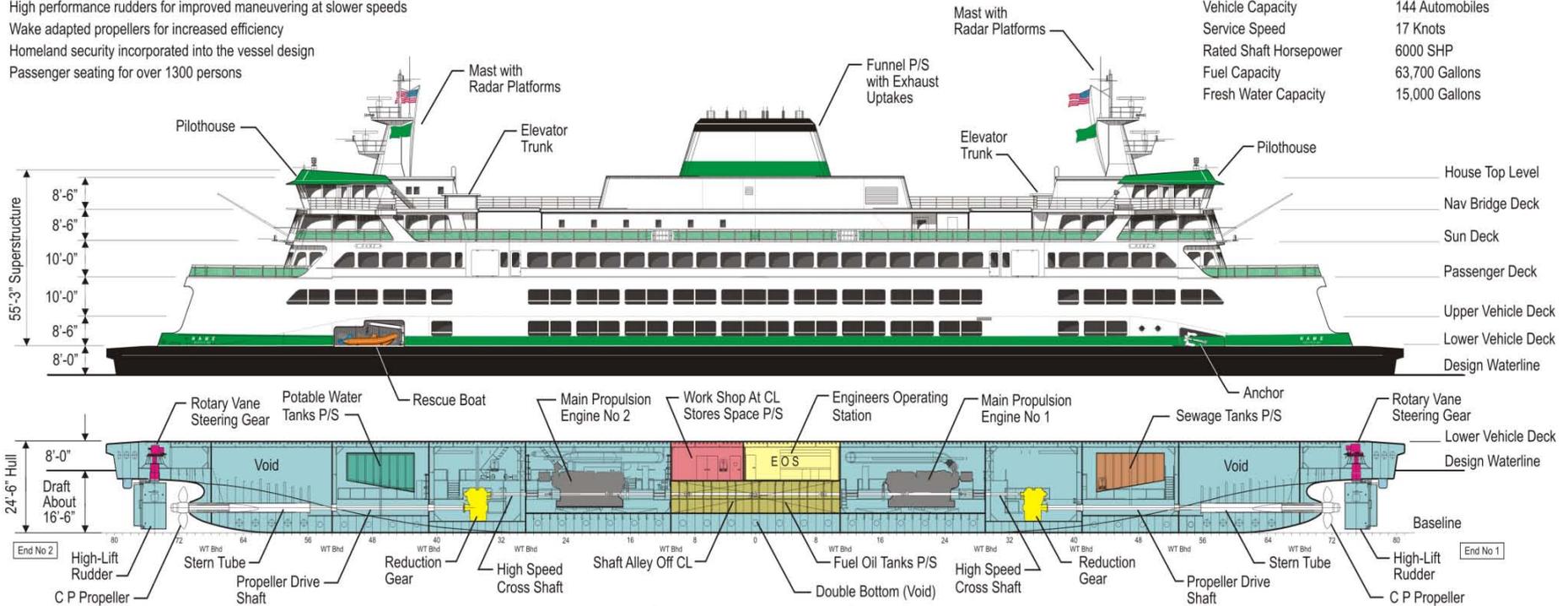
## Key Design Features

- Passenger access to "Sun Deck"
- Fully ADA compliant
- Two elevators: one on each end of the vessel
- Fuel tanks are located away from the bottom
- Extra wide center vehicle tunnel - allows for 3 large trucks to be loaded side by side
- Long vehicle ramps to upper car deck with modest steepness
- High performance rudders for improved maneuvering at slower speeds
- Wake adapted propellers for increased efficiency
- Homeland security incorporated into the vessel design
- Passenger seating for over 1300 persons

# 144 Auto Ferry

## Vessel Characteristics

Length Overall	362' - 0"
Breadth	83' - 4"
Hull Depth	24' - 6"
Draft At Design Load Waterline	16' - 6"
Displacement At DLWL	4320 LTSW
Passenger Capacity	1500 Persons
Vehicle Capacity	144 Automobiles
Service Speed	17 Knots
Rated Shaft Horsepower	6000 SHP
Fuel Capacity	63,700 Gallons
Fresh Water Capacity	15,000 Gallons



Legend	
C L	Centerline
WT Bhd	Watertight Bulkhead
P/S	Port and Starboard
C P	Controllable Pitch
DLWL	Design Load Waterline
LTSW	Long Tons Salt Water
MES	Marine Evacuation Slide

Note:  
Rendering subject to change.



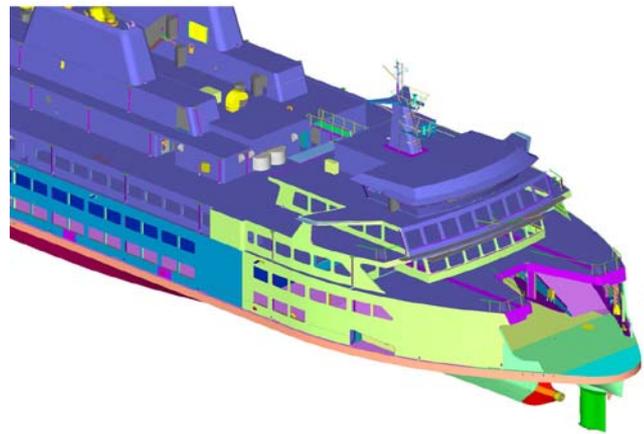
Washington State Ferries

20 June 2008  
Gary Cleary

# Questions?

For further information on the 144-car ferry construction project, please contact:

Capt George A. Capacci  
Deputy Chief, Operations & Construction  
WSDOT Ferries Division  
(206) 515-3414 [CapaccG@wsdot.wa.gov](mailto:CapaccG@wsdot.wa.gov)



# Minor Tariff WAC Alteration - Oversized

- May 2012 is the anticipated month that the new reservations system will go into effect for the Port Townsend/Coupeville, Anacortes/Sidney, B.C., and commercial vehicles for the domestic San Juan Islands routes.
- Commercial reservations in the San Juan Islands are currently handled on a quarterly basis in a manual fashion, requiring staff time to process.
- This was the primary reason a fee was established in the tariff WAC many years ago, totaling \$500/year (\$200 for summer, \$100 for each of the other three seasons), for eligible vehicles to participate in the priority loading/commercial reservations program.

# Minor Tariff WAC Alteration - Oversized

- The new reservation system will allow commercial account customers to make reservations on line, minimizing staff time.
- In order to keep use of the reservation system available at no additional cost for customers, WSF is proposing to the Transportation Commission that it delete the following section from WAC 468-300-040 pertaining to this seasonal fee:

***COMMERCIAL VEHICLE RESERVATION FEES - For commercial vehicles traveling with reservations a participation fee (\$200 for summer schedule season, \$100 for each of the other schedule seasons) will be charged. Fees will be collected when reservations are confirmed.***

# Timeline and Next Steps

- CR101 filing no later than January 18
- CR 102 filing window March 3 – March 7
- Public hearing – April 17 at Commission meeting in Mount Vernon
- After April 17 – file CR 103
- New tariff would coincide with new reservation system in mid-May

# Questions?

For more information, please contact:

Ray Deardorf, Planning Director  
WSDOT Ferries Division, at  
(206) 515-3491 or [deardorf@wsdot.wa.gov](mailto:deardorf@wsdot.wa.gov).