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**ALASKA MARINE HIGHWAY**

**FY-24 Marine Engineering Overhaul Summary**



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# Slideshow

- A brief look at the fleet Overhaul season.
- FY-24 Overhaul periods in chronological order.
- 2 slides per vessel.
- Work items are a sampling of the work items accomplished during the annual Overhaul period.
- The vessel crews also have extensive worklist items accomplished during the Overhaul periods utilizing the ship's workforce.



# Kennicott



01 JUL – 15 DEC (168 days)  
Vigor Shipyard, Ketchikan



# Kennicott

Project	Original Budget	Original Commitments	Approved Changes	Variance
Kennicott FY24 Overhaul	\$3,593,004.00	\$2,888,420.00	\$0.00	\$704,584.00

## 42 individual work items:

- Annual inspections/certifications
- Davit Winch renewals
- Car Door refurbishments
- Car Deck curtain plate modification
- Tailshaft survey
- Strut alignment/boring/new bearings
- Boiler skid plate replacement
- Monorail and hinge deck refurbishment
- Steering gear upgrade project
- Engine room control and alarm system fixes
- Accomodation ladders refurbishment
- Side shell and superstructure painting
- Numerous steel cropping and inserts
- Repair of ride control system (fins)



# Lituya



09 AUG – 23 AUG (14 days)  
Vigor Shipyard, Ketchikan

# Lituya

## 30 individual work items:

- Annual inspections/certifications
- Void 8 leak
- Fire monitor rebuild
- Windlass and mooring winch through-hull fittings
- Motor/pumps/davit megger testing
- WTD repairs
- NC Machinery ME leaks
- Shaft brakes renewed/aligned
- Fire Detection System replacement
- Boiler repair work
- Main switchboard UVT removal
- Passenger head flooring renewal
- Deck protection ramp inserts.
- Car Deck insert painting



# Aurora



15 OCT – 15 DEC (60 days)  
JAG Shipyard, Seward

# Aurora

Project	Original Budget	Original Commitments	Approved Changes	Variance
Aurora FY24 Overhaul	\$1,930,884.00	\$1,282,540.00	\$493,531.00	\$154,813.00

## 64 individual work items:

- Annual inspections/certifications
- Permanent repairs to fire main piping
- Line locker steam leak
- Repairs to stuffing tubes/ramp grates
- Deck light switch relocations
- Car Door gaskets
- Sewage line fixes
- Portholes in crew rooms
- Windows/doors/flooring work
- Duct Cleaning
- Blasting and painting Solarium and boat decks
- MSD bottom Plate replacement
- Anchor windlass rebuild
- PCCI tank/voids coatings repairs
- Sea Valve replacements





# LeConte



20 NOV – 01 MAY ( 160 days) - ongoing  
Vigor Shipyard, Ketchikan

# LeConte

Project	Original Budget	Original Commitments	Approved Changes	Variance
Leconte FY24 Overhaul	\$2,962,327.22	\$2,141,439.35	\$1,407,292.00	(\$586,404.13)

## 81 individual work items:

- Annual inspections/certifications
- Blast and Paint entire underwater body
- PCCI tank and void coatings repair
- V1 tank coatings full repair
- V1 tank inserts
- Potable water tank full coating
- Both ME 30k hour overhauls
- ESWBD modifications
- BT seal renewal
- Special Periodic Hull Survey
- Regulatory Steel Repairs
- Exterior deck and superstructure preservation
- Ventilation ducting inspection/repair
- Install drain plugs on STBD keel coolers
- Steering controls upgrade system build



# Columbia



01 DEC – 08 MAY ( 160 days) - ongoing  
Vigor Shipyard, Ketchikan

# Columbia

Project	Original Budget	Original Commitments	Approved Changes	Variance
Columbia FY24 Overhaul	\$3,427,561.42	\$2,273,385.52	\$408,316.00	\$745,859.90

## 63 individual work items:

- Annual inspections/certifications
- PORT propeller/hub inspection/blade repairs
- Special Periodic Hull Survey
- Regulatory required steel repair
- PCCI tank and void coatings repair
- Fuel tank cleaning
- Fire Main piping UT and repairs
- Fire Station valves repair/replacement
- Bridge flooring repair
- Stateroom deck repairs
- Window repairs
  - Stateroom windows
  - Bridge windows
  - Solarium windows
  - FWD Observation Lounge windows
- Windlass inspection and rebuild
- BT upgrade project completion
- Engineroom IMACS upgrade



# Tustumena



15 FEB – 01 MAY ( 75 days) - ongoing  
JAG Shipyard, Seward

# Tustumena

Project	Original Budget	Original Commitments	Approved Changes	Variance
Tustumena FY24 Overhaul	\$2,469,452.80	\$1,558,751.00	\$556,406.00	\$354,295.80

## 44 individual work items:

- Annual inspections/certifications
- Permanent repairs to PORT and STBD stern tubes
- Tailshaft Survey
- Tank and void inspection and preservation work
- Exterior repair and preservation
- Anchor windlass removal and UT base
- Anchor windlass oil tank repair
- Renewal of WTDs
- EGEN room steel repair
- Elevator turntable ring inspection and repair
- FWD mooring winch motor replacement
- Shelter Deck heaters installation



# Hubbard



03 MAY – 30 JUN ( 58 days) – not started  
Vigor Shipyard, Ketchikan

# Hubbard

Project	Original Budget	Original Commitments	Approved Changes	Variance
Hubbard FY24 Annual Overhaul	\$1,309,630.00	\$1,176,708.09	\$0.00	\$132,921.91

## 32 individual work items:

- Annual inspections/certifications
- ME powerpack replacements
- Generator testing and SWBD analysis
- Addition of magnetic holdbacks on galley doors
- SSDGs vibration isolation
- Electrical ground corrections
- Tank and void inspection and preservation work
- Exterior preservations
- Exterior door replacements
- Winter24!
- HVAC system tuning/balancing





# Tazlina



In Layup awaiting federal CIP project  
Ketchikan

# Tazlina

Project	Original Budget	Original Commitments	Approved Changes	Variance
Tazlina FY24 Overhaul	\$1,180,450.00	\$956,125.00	\$0.00	\$224,325.00

## Limited work items:

- Equipment and system maintenance
- PSTP resolutions
  - RPM hold module
  - Emergency ventilation shutdown controls
  - Steering deviation alarm
- Drain Modifications
- Vent cleaning
- SSDGs vibration isolation mounts installation



# Matanuska



In Layup undergoing Hull Survey and serving as  
AMHS Hotel Ship  
Ketchikan

# Matanuska

Project	Original Budget	Original Commitments	Approved Changes	Variance
Matanuska FY24 Overhaul	\$3,007,832.00	\$100,000.00	\$100,000.00	\$2,807,832.00

## As needed work items:

- As needed, repair/maintenance/supplies required to provide hotel services.

# Other FY-24 Projects

Project	Original Budget	Original Commitments	Approved Changes	Variance
Columbia 202373003123 Claim	\$0.00	\$500,000.00	\$0.00	(\$500,000.00)
Columbia Bow Thruster Upgrade	\$0.00	\$341,299.00	\$0.00	(\$341,299.00)
FY23 Overage to FY24	\$0.00	\$2,067,760.98	\$0.00	(\$2,067,760.98)
HUB Button Project	\$0.00	\$532,248.99	\$42,350.52	(\$574,599.51)
NTP-011 MAT Move to Berth 3	\$0.00	\$32,896.07	\$0.00	(\$32,896.07)
NTP-012 LIT Fuel Issue	\$0.00	\$49,103.33	\$0.00	(\$49,103.33)
NTP-013 MAT Hull Survey	\$0.00	\$1,735,542.68	\$0.00	(\$1,735,542.68)
NTP-015 TUS Emer. Tube Shaft Repair	\$0.00	\$437,610.00	\$0.00	(\$437,610.00)