

FY2013 Marine Highways - Deferred Maintenance Inventory/Backlog

Project Title	Project Cost (1,000's)	Project Description	Vessel or Location	Election District
ADA Upgrades	25.0	Public spaces ADA transition plan compliance & wheelchair lift renewal	Aurora	1-40
Electrical System Upgrade	10.0	Engineering Officer Station electrical distribution system upgrade	Aurora	1-40
Engine Room Upgrades	10.0	Main engine and bowthruster propulsion space deck grating	Aurora	1-40
IT Electrical Upgrades	23.0	Information Technology cabinet mechanical and electrical upgrade	Aurora	1-40
Alarm Upgrade	25.0	Ancillary machinery space bilge alarm mechanical and electrical upgrade	Aurora	1-40
Windows/Doors Upgrade	15.0	Painting and structural repairs of windows, doors, and solarium bulkhead	Aurora	1-40
Total Aurora	108.0			
Stability Software Upgrade	10.0	Deck and safety drawings stability software program update	Chenega	1-40
Passenger Safety	10.0	Stability revision for USCG mandated standard passenger weight change	Chenega	1-40
Furnishing Upgrades	10.0	Security gates at stairs in public spaces	Chenega	1-40
Electrical System Upgrade	80.0	Main circuit breaker electrical distribution system upgrade	Chenega	1-40
Mechanical and Electrical Systems Upgrades	140.0	Electrical power distribution system conditioning	Chenega	1-40
HVAC Repairs	10.0	Replace Heating, Ventilation, and Air Conditioning (HVAC) leaking ducting	Chenega	1-40
Fire Fighting Improvement	10.0	Fire fighting system and equipment relocation of fire stations #4 & #5	Chenega	1-40
Hydraulic System Upgrade	15.0	Transom hydraulic fittings piping mechanical upgrade	Chenega	1-40
Total Chenega	285.0			
Crew Quarters Upgrade	12.0	Galley and mess deck area upgrade	Columbia	1-40
Fire Fighting System Replacement	25.0	Fire fighting system upgrade in auxiliary and main machinery room CO2 systems	Columbia	1-40
Car Deck HVAC Upgrade	20.0	Vehicle space HVAC mechanical and electrical upgrade	Columbia	1-40
Windows & Doors Upgrade	50.0	Painting and structural repairs of wheelhouse windows and doors	Columbia	1-40
Coatings Renewal	20.0	Painting and structural repairs of superstructure, weather decks, solarium handrails & bridge overhead panels	Columbia	1-40
Furnishing Upgrade	20.0	Carpet, window treatments, and solarium public spaces upgrades	Columbia	1-40
Navigation Upgrade	120.0	Radar system upgrades	Columbia	1-40
Safety Upgrade	10.0	Deck and safety drawings capacity plan revision required	Columbia	1-40
Safety Upgrade	10.0	Deck and safety drawings general arrangement revision required	Columbia	1-40
HVAC Mechanical Upgrade	10.0	HVAC waste heat boiler upgrade	Columbia	1-40

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Refrigeration System Upgrade	12.0	Mechanical and electrical upgrade of ancillary machinery refrigeration receiver	Columbia	1-40
Sewage Mechanical System Upgrade	78.0	10-inch sewage vent piping mechanical upgrade	Columbia	1-40
Total Columbia	387.0			
Corrosion Repairs	24.0	Salt water piping system corrosion repairs	Fairweather	1-40
Propulsion System Upgrade	53.0	Main engine and propulsion shaft torsion meters	Fairweather	1-40
Safety Upgrade	49.0	Mooring station deck heaters and electrical outlets on aft wheelhouse bulkhead	Fairweather	1-40
Day Tank Mechanical Upgrade	95.0	Fuel oil day tank piping mechanical upgrades	Fairweather	1-40
Total Fairweather	221.0			
ADA Upgrades	25.0	ADA transition plan compliance deck and safety updates	Kennicott	1-40
Passenger Safety	10.0	Stability revision for USCG mandated standard passenger weight change	Kennicott	1-40
Safety Upgrade	10.0	Deck and safety drawings general arrangement & signage corrections	Kennicott	1-40
Stability Software Upgrade	10.0	Deck and safety drawings stability software program update	Kennicott	1-40
Door Upgrade	60.0	Painting and structural repairs of roller curtain doors	Kennicott	1-40
Main Engine Upgrade	20.0	Main engine exhaust system upgrade	Kennicott	1-40
Safety Upgrade	12.0	Window washing system upgrade	Kennicott	1-40
HVAC System Upgrades	100.0	Public space HVAC system rebalancing	Kennicott	1-40
Ventilation System Upgrade	25.0	Ancillary machinery space marine sanitation device (MSD) ventilation upgrade	Kennicott	1-40
Deck Drain Mechanical Upgrade	75.0	Deck drain piping system upgrades	Kennicott	1-40
Total Kennicott	347.0			
HVAC Upgrade	10.0	HVAC preheaters and reheaters mechanical and electrical upgrade	LeConte	1-40
Piping Upgrade	40.0	Steam and condensate piping mechanical upgrade	LeConte	1-40
Window and Door Upgrade	17.0	Painting & structural repairs to bridge windows, doors, and door to Lifeboat #1	LeConte	1-40
Total LeConte	67.0			
Stability Software Upgrade	10.0	Deck and safety drawings stability software program update	Lituya	1-40
Passenger Safety	10.0	Stability revision for USCG mandated standard passenger weight change	Lituya	1-40
Engine Upgrades	80.0	Main engine and propulsion shaft bearings upgrade	Lituya	1-40
Total Lituya	100.0			
Fire Fighting System Upgrade	20.0	CO2 fire fighting system and equipment upgrade	Malaspina	1-40

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Alarm Communications Upgrade	20.0	Intership general alarm communication system upgrade	Malaspina	1-40
Safety Upgrade	14.0	Security and signage renewal of deck plans, passenger safety instructions and life saving safety placards	Malaspina	1-40
Engine Control Upgrades	20.0	Engineer's operating station main engine and propulsion control upgrade	Malaspina	1-40
Electrical System Upgrade	70.0	Electrical distribution motor controllers upgrade	Malaspina	1-40
HVAC Upgrade	50.0	Main engine room HVAC ventilation system upgrade	Malaspina	1-40
Elevator Safety Upgrade	30.0	Passenger elevator & forward dumbwaiter machinery upgrade	Malaspina	1-40
Watertight Doors	65.0	Watertight doors mechanical upgrade	Malaspina	1-40
Steam Components Upgrade	25.0	Ancillary machinery space steam duct heaters & convectors upgrade	Malaspina	1-40
Steam Piping Systems Upgrades	48.0	Steam systems condensate piping & waste heat boiler upgrades	Malaspina	1-40
Electrical System Upgrade	15.0	Electrical distribution circuit breaker panels upgrade	Malaspina	1-40
ADA Compliance	15.0	Wheelchair access to solarium deck	Malaspina	1-40
Safety Upgrade	10.0	Tank naming convention drawing corrections	Malaspina	1-40
Furnishing Upgrade	20.0	Low level lighting in public spaces	Malaspina	1-40
Total Malaspina	422.0			
Electrical System Upgrade	10.0	Electrical distribution cables upgrade	Matanuska	1-40
Ballast System Upgrade	40.0	Bilge and ballast valves and piping upgrade	Matanuska	1-40
Engine Control Upgrade	105.0	Engine order telegraph for bridge & bridge wing main engine controls plus covers	Matanuska	1-40
Piping System Upgrade	10.0	Sounding pipes and drain pipes renewal	Matanuska	1-40
Shore Electrical Upgrade	16.0	Shore power backfeed electrical distribution upgrade	Matanuska	1-40
Safety Upgrade	17.5	Gyrocompass and fire detection & alarm systems upgrades	Matanuska	1-40
Communication Upgrade	15.0	Intership communications 1JV circuit upgrade between bridge & bowthruster	Matanuska	1-40
Total Matanuska	213.5			
Safety Upgrade	10.0	Deck and safety drawings general arrangement and signage corrections	Taku	1-40
Stability Software Upgrade	10.0	Deck and safety drawings stability software program update	Taku	1-40
Engine Upgrades	20.0	Main engines exhaust blankets renewal	Taku	1-40
Communications Upgrades	10.0	Intraship communications - phone in first aid room	Taku	1-40
Mechanical System Upgrade	100.0	Ancillary machinery room fuel transfer pump & pipe shielding	Taku	1-40

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HVAC System Upgrade	172.5	HVAC Electric Humidifiers	Taku	1-40
Furnishing Renewal	20.0	TV lounge chairs and other public space furnishing renewal	Taku	1-40
Painting Upgrades	45.0	Weather decks discharge piping vents rust removal and painting	Taku	1-40
Total Taku	387.5			
Crew Quarters Upgrades	10.0	Crew Quarters Furnishings Purser's Stateroom (S/R 108)	Tustumena	1-40
Safety Upgrade	10.0	Deck and safety drawings general arrangement and signage corrections	Tustumena	1-40
Paint Renewal	12.0	Fin stabilizer room platform painting	Tustumena	1-40
Safety Upgrade	10.0	Trolley & beam on vehicle elevator & lifeboat davit stairs renewal	Tustumena	1-40
Communications Upgrade	10.0	Intraship communications phone in first aid room	Tustumena	1-40
Engine Control Upgrades	80.0	Bridge wing main engine control upgrade	Tustumena	1-40
Passenger Area Upgrades	10.0	Passenger cabins joinery upgrades	Tustumena	1-40
Furnishing Upgrades	10.0	Passenger staterooms and first aid room furnishings	Tustumena	1-40
Crew Quarters Upgrades	20.0	Crew quarters laundry and purser's office upgrades	Tustumena	1-40
Total Tustumena	172.0			
Total HD 1-40	\$ 2,710.0			
Heating Control Upgrade	150.0	Remove existing pneumatic heating controls and replace with direct digital controls controls at Ketchikan Ferry Terminal (Risk Management Prop. No. 2549000536)	Ketchikan	1
Sitka Terminal Roof Replacement	75.0	Remove and replace existing roof at the Sitka ferry terminal (Risk Mngmt Prop. No. 2549000830)	Sitka	2
Hydraulic Component Replacement	20.0	Replace hydraulic controls and various components on main berth and LeConte berth at the Auke Bay ferry terminal	Juneau	4
Hydraulic Component Replacements	45.0	Replace hydraulic components that have reached the end of their useful life at AMHS unmanned mooring facilities.	Hoonah, Metlakatla, Kake	5
Total Shoreside Facilities	\$ 290.0			
Total Marine Highways Deferred Maintenance Allocation:	\$ 3,000.0			