



**Washington State
Department of Transportation**

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W. Michael Anderson
Assistant Secretary of Marine Operations
Executive Director

DATE: July 17, 2007

TO: INTERESTED PARTIES

**RE: NEW 144 – AUTO FERRIES
DESIGN - BUILD CONTRACT NO. 00-6674**

ADDENDUM NO. 24

This is to inform you of the following updates and changes to the Request for Proposals (RFP) for the above-referenced project:

RFP VOLUME IV, PHASE II TECHNICAL SPECIFICATION

Section 1B, Arrangement
Section 2, Structural Hull
Section 4, Doors and Other Access Closures
Section 5, Hull Fittings
Section 6, Deck Coverings
Section 12, Heating, Ventilation and Air Conditioning
Section 13, Fire Detection and Extinguishing Systems
Section 14, Surface Preparation and Painting
Section 17, Small Galley and Food Services
Section 19, Furniture & Furnishings
Section 20, Plumbing Fixtures and Accessories
Section 21, Hardware
Section 25, Joiner Work and Interior Decoration
Section 72, Compressed Air System
Section 74, General Requirements for Hull and Machinery Piping Systems
Section 80, Engineering's Workshop, Restroom, Stores and Repair Equipment
Section 87, Electrical Systems General Requirements



Addendum No. 24 Continued
July 17, 2007

**RFP VOLUME IV, PHASE II TECHNICAL SPECIFICATION
Continued**

Section 94, Electronic Navigation Equipment

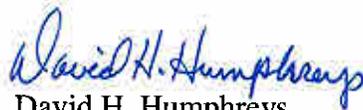
Section 95, Interior Communications

Section 99, Propulsion Control, and Alarm and Monitoring Systems

Section 101, Test and Trials

All other terms and conditions remain unchanged. All qualified proposers will be required to acknowledge receipt of this Addendum on the Bid Form. All Addenda will become a part of the Contract.

Sincerely,



David H. Humphreys
Vessel Project Engineer
New 144-Auto Ferries Project
Washington State Ferries

Attachment

**ATTACHMENT
TO ADDENDUM NO. 24**

**RFP VOLUME IV
PHASE II TECHNICAL SPECIFICATIONS**

1. Revise RFP Volume IV, Section 1B, Subsection 1B.1, "REFERENCES", page 2 of 32, lines 18 and 19: beginning with "Draft Passenger Vessel...", and ending with "..., dated November 26, 2004", replace with the following:

"**Revised** Draft Passenger Vessel...", and ending with "..., dated **July 7, 2006**"

2. Revise RFP Volume IV, Section 1B, Subsection 1B.3, "AMERICANS WITH DISABILITIES ACT (ADA)", page 3 of 32, lines 13 - 17: replace the entire paragraph beginning with "Reference (1BB) contains...", and ending with "... incorporation has been specified.", with the following:

"Reference (1BB) contains the **Revised** Draft Passenger Vessel Accessibility Guidelines and Supplementary Information, completed in **2006** (<http://www.access-board.gov/pvaac/revised-draft.htm>). These are intended to be incorporated into the ADA Accessibility Guidelines for Transportation Vehicles, although no date for incorporation has been specified."

3. Revise RFP Volume IV, Section 2, Subsection 2.14, "Decks ~ Deck Scantlings, Camber, and Sheer", page 13 of 27, lines 31 - 33: beginning with "except that the thickness..." and ending with "... outboard of the casings." replace the three lines with the following:

"except that the thickness of the Lower Vehicle Deck shall not be less than $\frac{3}{8}$ " plate (**ASTM A572** (50 ksi) inboard of the casings and knuckles, and $\frac{5}{8}$ " plate (**ASTM A572** (50 ksi) outboard of the casings."

4. Revise RFP Volume IV, Section 2, Subsection 2.22.2.3, "Rudder Trunk (Horn)", page 24 of 27, line 10, sentence ending "... rudder on the trailing edge.": add the following sentence:

"**The leading edge (18 inch section at a minimum) of the log splitter shall run parallel to the flapper edge of the rudder so as to divert logs and debris away from the rudder flap lead edge.**"

5. Revise RFP Volume IV, Section 4, Subsection 4.3, "General", page 3 of 22, lines 12 - 14: replace the words beginning "All doors and hatches, ..." and ending "... Section 21 of the Technical Specification." with the following:

"All doors and hatches, except as noted herein, shall be operable from both sides, and shall be complete with all hardware, latches, hinges, locks, security locks, keys, windows, portlights, holdbacks, bumpers, etc., required for the particular doors and hatches. See Sections 5 and 21 of the Technical Specification."

6. Revise RFP Volume IV, Section 4, Subsection 4.3, "General", page 3 of 22, after line 15: add the following paragraph:

"The Contractor's door location design shall take into consideration the impact of exterior air pressures introduced at doorways to the exterior of the Vessel as set forth in the GENERAL Subsection in Section 12 of the Technical Specification."

7. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 4 of 22, lines 7 - 8: modify the sentence beginning "The door manufacturer shall produce and have available framed door assemblies in both a left hand..." as follows:

"The door manufacturer shall produce and have available framed door assemblies in both left hand ..."

8. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 4 of 22, lines 15 - 16: replace sentence beginning "For WSF Fleet-wide Standardization ..." and ending "... 35H Series BEST LOCKS." with the following:

"For WSF Fleet-wide Standardization and Security purposes, all doors shall be manufactured to accommodate 9K Series, Cylindrical BEST LOCKS."

9. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 5 of 22, line 15: after the sentence ending "... and statement of compliance." add the following paragraph:

"For clarity purposes: The intent of the above paragraph is that all doors shall be constructed as "A-15" Class insulated fire doors, and if a window, louver, and/or the like is required for a specific door, that fire constructed door shall have the required window, louver, and/or the like installed into the fire constructed door. All doors, regardless of their final configuration, shall start out as an "A-15" Class fire door meeting all USCG requirements."

10. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 5 of 22, lines 25 and 26: replace the words "The inside of the door frame hinge area shall be reinforced with a with a minimum of a $\frac{3}{8}$ inch thick flat bar piece for each hinge." with the following:

"The inside of all doors shall be reinforced with a $\frac{3}{8}$ inch thick, one (1) piece continuous flat bar in way of the hinges."

11. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 6 of 22, lines 5 and 6: modify the sentence "Doors shall be predrilled to accept mortise type locksets ..." as follows:

"Doors shall be predrilled to accept cylindrical type locksets..."

12. Revise RFP Volume IV, Section 4, Subsection 4.4.1, "General Construction", page 6 of 22, line 15: after the sentence "Rabbets shall be not less than $\frac{5}{8}$ inch deep." add the following:

"Shimming to fit door frames to unfair bulkheads will not be allowed. An example of a methodology acceptable to WSF for installing a door frame in an unfair bulkhead is demonstrated in WSF Drawing No. 8200W-138-04-2, Rev A, Super Class Ferry Renovation Project Door List, Sheet 7 of 7."

13. Revise RFP Volume IV, Section 4, Subsection 4.4.2, "Spare Doors", page 8 of 22, line 8: after the sentence ending "... installed on the Vessel." add the following sentence:

"While door lock sets, striker plates, deadbolts and the like will not be required to be provided with a spare door assembly, each spare door assembly shall include all predrilled and prepared openings and reinforcements for lock sets, strikers, dead bolts, closers and the like."

14. Revise RFP Volume IV, Section 4, Subsection 4.4.2, "Spare Doors", page 8 of 22, after line 10: in TABLE 4-1

11 - 25	7
26 and more	25% of installed type/configuration rounded up to next quantity.

replace the above two rows with the following one row:

"

11 - and more	7
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"

15. Revise RFP Volume IV, Section 4, Subsection 4.4.3, "Fire Screen Doors", page 8 of 22, line 14: modify the sentence "... construction, structurally insulated, fitted with an 3 inch × 33 inch fixed light, self-closures" as follows:

"... construction, structurally insulated, fitted with a 4 inch × 25 inch fixed light, self-closures... ."

16. Revise RFP Volume IV, Section 4, Subsection 4.4.3, "Fire Screen Doors", page 9 of 22, lines 4 - 6: modify the beginning of the sentence "Doors assemblies in the casings shell" to:

"Door assemblies in the casings shall ..."

17. Revise RFP Volume IV, Section 4, Subsection 4.4.3, "Fire Screen Doors", page 9 of 22, lines 15 - 17: after the sentence ending "... door holdbacks, or equal, sliding doors." add the following sentence:

"WSF Representative approved bolted, readily removable inspection/access plates shall be provided for access to any door operating mechanism and/or track to allow for speedy maintenance and repair access without having to remove finish joiner work."

18. Revise RFP Volume IV, Section 4, Subsection 4.4.7, "Acoustic Doors", page 13 of 22, before line 20: add a NEW Subsection 4.4.7 as follows:

"4.4.7 Pilothouse Doors

"Pilothouse exterior (weather) doors shall be PACIFIC COAST MARINE INDUSTRIES Inc., or equal, (similar to Pacific Coast Marine Drawing No. PCM-05-2), of steel construction. Door frames shall be no lighter than ¼ inch mild steel. Exterior face sheets shall be no lighter than No. 11 gauge.

"Doors shall have mitered corners option, standard two (2) dogs option, knob lock option using BEST LOCK 9K Series as set forth in Section 21 of the Technical Specification, adjustable hinge option, and standard flush glazing with insulated rectangular window option. Window in door shall be as wide as the door design will allow, and be located, top and bottom, to match Pilothouse window arrangement.

"The exterior side of the Pilothouse doors exposed to the weather shall be coated of a system to match the bulkhead paint schedule, but shall receive a finish wood tone color topcoat, to cover, as approved by the WSF Representative in the approved Contractor's design.

"NOTE: It is the desire of WSF to have the above mentioned Pilothouse doors also fabricated with aluminum, same as the doors covered in the *Non-Tight Weather Screen Doors* Subsection in this Section of the Technical Specification, if same is possible as set forth in Reference (4E), Chapter 3.10, as exterior doors exiting to open decks from low fire risk spaces. The Contractor shall present the case and submit a request to the USCG for approval of the use of this type of door for the above low fire hazard locations. If the USCG does not approve such aluminum construction for these doors, the doors shall be fabricated as set forth in this Subsection of this Technical Specification to meet all USCG requirements."

19. Revise RFP Volume IV, Section 4, Subsection 4.4.7, "Acoustic Doors", page 13 of 22, line 20: renumber the Subsection as follows:

"4.4.8 Acoustic Doors"

20. Revise RFP Volume IV, Section 4, Subsection 4.4.7, "Acoustic Doors", page 14 of 22, lines 2 - 4: replace the sentence beginning "Doors shall be reinforced ..." and ending "... Section 21 of the Technical Specification." with the following:

"Doors shall be reinforced with a $\frac{3}{8}$ inch thick, one (1) piece continuous flat bar in way of the hinges and all hardware shall be as specified under Section 21 of the Technical Specification."

21. Revise RFP Volume IV, Section 4, Subsection 4.4.8, "Watertight, Sliding Doors", page 14 of 22, line 27: renumber the Subsection heading as follows:

"4.4.9 Watertight, Sliding Doors"

22. Revise RFP Volume IV, Section 4, Subsection 4.4.9, "Weld Mesh Doors", page 16 of 22, line 19: renumber the Subsection heading as follows:

"4.4.10 Weld Mesh Doors"

23. Revise RFP Volume IV, Section 4, Subsection 4.4.9, "Weld Mesh Doors", page 16 of 22, lines 20 - 22: replace the paragraph beginning "Weld Mesh rectangular doors ..." and ending "... steel butt hinges and rim lock." with the following:

"Weld Mesh rectangular doors shall be of the same material and construction as the weld mesh bulkheads, suitably framed and stiffened, and fitted with Type 304 or greater stainless steel butt hinges, Type 316 stainless steel hasp, and both inside and outside steel handles. For hasp sizing, see the HASP Subsection in Section 21 of the Technical Specification."

24. Revise RFP Volume IV, Section 4, Subsection 4.4.10, "Fueling Station Sliding Doors", page 16 of 22, line 25: renumber the Subsection heading as follows:

"4.4.11 Fueling Station Sliding Doors"

25. Revise RFP Volume IV, Section 4, Subsection 4.13, "PHASE III DETAIL DESIGN AND CONSTRUCTION REQUIREMENTS", page 21 of 22, line 29: after the sentence ending "... additional requirements regarding technical documentation." add the following sentence:

"The WSF Representative would entertain combining of the NON-WATERTIGHT DOOR SCHEDULE with the KEY AND LOCK LIST also required in Sections 21 and 100 of the Technical Specification."

26. Revise RFP Volume IV, Section 5, Subsection 5.3, "GENERAL", page 3 of 26, lines 9 - 10: after the sentence beginning "Window glass shall ..." and ending "... and as set forth below." add the following advisory:

"BE ADVISED: It is the intent of WSF to service the windows on Vessels under this Contract throughout the 60-year life of the Vessels. For that reason, windows provided shall maximize window type interchangeability. The Contractor shall design and provide window assemblies of common dimension, offsets and orientation wherever possible, which allow for a particular window type to be installed on either end and either side of the Vessel. As an example, Passenger Deck side windows shall be of one type and dimension so as to allow the glass cartridge in a window frame located on one side of the Vessel to interchange with another window frame located on the other side of the Vessel at either end (i.e., those window panes share a common glass dimension, offset and installation orientation). The use of left hand and right hand specific quadrilaterals such as parallelogram or trapezoidal framing will not be allowed without the prior written approval of the WSF Representative, and only where unavoidable. Window assemblies' styles shall be submitted to the WSF Representative for approval prior to style selection and fabrication."

27. Revise RFP Volume IV, Section 5, Subsection 5.3, "GENERAL", page 3 of 26, lines 12 - 16: replace the words beginning "Window designs shall provide ..." and ending "... and replacement from the interior side." with the following:

"Window designs shall provide for an easy of maintenance to allow for replacement of glass panes from the interior of the Vessel wherever there is not "open deck access" on the exterior of the installation. Glazing stops shall be attached to the window frames with ¼ inch stainless steel machine screws with spacing of 4 to 6 inch center to center, and provided in a manner that allows for glass removal and replacement from the interior side. All fixed windows shall be sealed watertight, but shall not be 100-percent (100%) caulked on all three (3) sides in a fashion that could lead to damaging the frame or retainer ring/bracket during removal. Because of the need for "in service" window maintenance by WSF during short lay up times throughout the life of the Vessel, window glass to frame sealing shall allow for speedy removal and replacement of glass. Window seal design shall not fully encapsulate the window to frame contact with sealant. PACIFIC COAST MARINE INDUSTRIES Inc., Drawing PCM-C-11306, WIN-1092-FX Fixed Window, represents a seal design allowing for ready removal and replacement."

28. Revise RFP Volume IV, Section 5, Subsection 5.3, "GENERAL", page 3 of 26, lines 27 - 28: after the sentence ending "... approved installation instructions." add the following sentence:

"See the GENERAL Subsection in Section 25 of the Technical Specification for window, wiring and/or plumbing access requirements."

29. Revise RFP Volume IV, Section 5, Subsection 5.4, "EXTERIOR WINDOWS AND PORTLIGHTS", page 3 of 26, before line 29: add NEW Subsection 5.4 as follows:

"5.4 SPARE WINDOW REPLACEMENT GLASS PANES

"The Contractor shall provide a quantity, as set forth in TABLE 5-1 below, of spare window replacement glass pane assemblies for each window type/configuration/size used onboard the Vessels. Window glass pane assemblies shall include gasketing (if applicable). These window glass pane assemblies shall be enclosed in individual, screw constructed, wooden crates, suitable for long term warehouse storage and forklift transport. Crates shall be properly and permanently stenciled labeled to identify the window type/configuration and Vessel Class to allow the user to identify a window glass pane assembly without the need to open the crate. Delivery of the window glass pane assemblies shall be provided by the Contractor to a WSF warehouse as designated by the WSF Representative at delivery of the first Vessel under this Contract.

"NOTE: Type/configuration" of a window glass pane assembly is here defined as those salient characteristics which include construction, size, glass type(s), tint, and onboard location style which creates a WSF approved unique window assembly as installed on the Vessel.

"For bidding purposes, the Contractor shall provide spare window glass pane assembly quantities under this Contract as set forth below:

TABLE 5-1 REQUIRED SPARE WINDOW PANE QUANTITIES (quantities are a total for the Contract, and based upon those windows installed on one (1) Vessel)	
Window Pane Assembly Quantity / Location Used Per Type / Configuration (Single Vessel)	Required Spare Glass Pane Assemblies
1-5	2
6 - 10	5
11 - and more	12

30. Revise RFP Volume IV, Section 5, Subsection 5.4, "EXTERIOR WINDOWS AND PORTLIGHTS", page 3 of 26, line 29: renumber the Subsection heading as follows:

"5.5 EXTERIOR WINDOWS AND PORTLIGHTS"

31. Revise RFP Volume IV, Section 5, Subsection 5.4, "EXTERIOR WINDOWS AND PORTLIGHTS", page 4 of 26, lines 23 - 25: replace the paragraph beginning "All windows mounted ..." with the following paragraph:

"All windows mounted fore and aft shall be installed parallel to the baseline. Exterior windows mounted transversely shall be installed to follow the deck camber of the Vessel, if any, in that area. Interior windows mounted transversely shall be installed parallel to the baseline."

32. Revise RFP Volume IV, Section 5, Subsection 5.4.1, "Passenger Deck Lounges, MES Stations, and Officer & Crew Staterooms and Dayroom", page 4 of 26, lines 28 - 29: renumber the Subsection heading as follows:

"5.5.1 Passenger Deck Lounges, MES Stations, and Officer & Crew Staterooms and Dayroom"

33. Revise RFP Volume IV, Section 5, Subsection 5.4.2, “Sun Deck Passenger Lounges”, page 5 of 26, line 15: renumber the Subsection heading as follows:

“5.5.2 Sun Deck Passenger Lounges”

34. Revise RFP Volume IV, Section 5, Subsection 5.4.3, “Pilothouse”, page 5 of 26, line 24: renumber the Subsection heading as follows:

“5.5.3 Pilothouse”

35. Revise RFP Volume IV, Section 5, Subsection 5.4.3.1, “Pilothouse Window Solar Shades”, page 7 of 26, line 5: renumber the Subsection heading as follows:

“5.5.3.1 Pilothouse Window Solar Shades”

36. Revise RFP Volume IV, Section 5, Subsection 5.4.4, “Navigation Bridge Deck Unassigned Room”, page 7 of 26, line 20: renumber the Subsection heading as follows:

“5.5.4 Navigation Bridge Deck Unassigned Room”

37. Revise RFP Volume IV, Section 5, Subsection 5.5, “PILOTHOUSE WINDOW WIPERS”, page 7 of 26, line 26: renumber the Subsection heading as follows:

“5.6 PILOTHOUSE WINDOW WIPERS”

38. Revise RFP Volume IV, Section 5, Subsection 5.6, “WATER-TIGHT WINDOWS AND FIXED PORTLIGHTS”, page 8 of 26, line 12: renumber the Subsection heading as follows:

“5.7 WATER-TIGHT WINDOWS AND FIXED PORTLIGHTS”

39. Revise RFP Volume IV, Section 5, Subsection 5.6.1, “Hold Level”, page 8 of 26, line 18: renumber the Subsection heading as follows:

“5.7.1 Hold Level”

40. Revise RFP Volume IV, Section 5, Subsection 5.6.2, “Vehicle Deck”, page 9 of 26, line 24: renumber the Subsection heading as follows:

“5.7.2 Vehicle Deck”

41. Revise RFP Volume IV, Section 5, Subsection 5.7, “INTERIOR WINDOWS AND FIXED LIGHTS”, page 10 of 26, line 5: renumber the Subsection heading as follows:

“5.8 INTERIOR WINDOWS AND FIXED LIGHTS”

42. Revise RFP Volume IV, Section 5, Subsection 5.8, “LADDERS AND STAIRWAYS”, page 10 of 26, line 13: renumber the Subsection heading as follows:

“5.9 LADDERS AND STAIRWAYS”

43. Revise RFP Volume IV, Section 5, Subsection 5.8.1, “General”, page 10 of 26, line 14: renumber the Subsection heading as follows:

“5.9.1 General”

44. Revise RFP Volume IV, Section 5, Subsection 5.8.2, “Passenger and Crew Interior Stairways”, page 11 of 26, line 10: renumber the Subsection heading as follows:

“5.9.2 Passenger and Crew Interior Stairways”

45. Revise RFP Volume IV, Section 5, Subsection 5.8.3, “Inclined Ladders – Interior and Exterior, Lower Vehicle Deck and above”, page 11 of 26, line 22: renumber the Subsection heading as follows:

“5.9.3 Inclined Ladders – Interior and Exterior, Lower Vehicle Deck and above”

46. Revise RFP Volume IV, Section 5, Subsection 5.8.3.1, “Navigation Bridge Deck Ladder”, page 11 of 26, line 23: renumber the Subsection heading as follows:

“5.9.3.1 Navigation Bridge Deck Ladder”

47. Revise RFP Volume IV, Section 5, Subsection 5.8.3.2, “Crew Stairtower Ladders”, page 12 of 26, line 18: renumber the Subsection heading as follows:

“5.9.3.2 Crew Stairtower Ladders”

48. Revise RFP Volume IV, Section 5, Subsection 5.8.4, “Inclined Ladders – Interior, below Lower Vehicle Deck”, page 13 of 26, line 11: renumber the Subsection heading as follows:

“5.9.4 Inclined Ladders – Interior, below Lower Vehicle Deck”

49. Revise RFP Volume IV, Section 5, Subsection 5.8.5, “Vertical Ladders and Rungs”, page 14 of 26, line 5: renumber the Subsection heading as follows:

“5.9.5 Vertical Ladders and Rungs”

50. Revise RFP Volume IV, Section 5, Subsection 5.8.6, “Jacobs Ladders”, page 14 of 26, line 23: renumber the Subsection heading as follows:

“5.9.6 Jacobs Ladders”

51. Revise RFP Volume IV, Section 5, Subsection 5.9, “HANDGRABS”, page 14 of 26, line 25: renumber the Subsection heading as follows:

“5.10 HANDGRABS”

52. Revise RFP Volume IV, Section 5, Subsection 5.10, “HANDRAILS, LIFELINES AND LADDERWAY CHAIN GUARDS”, page 15 of 26, line 5: renumber the Subsection heading as follows:

“5.11 HANDRAILS, LIFELINES AND LADDERWAY CHAIN GUARDS”

53. Revise RFP Volume IV, Section 5, Subsection 5.10.1, “General”, page 15 of 26, line 6: renumber the Subsection heading as follows:

“5.11.1 General”

54. Revise RFP Volume IV, Section 5, Subsection 5.10.2, “Passenger Railings”, page 16 of 26, line 4: renumber the Subsection heading as follows:

“5.11.2 Passenger Railings”

55. Revise RFP Volume IV, Section 5, Subsection 5.10.3, “Passenger Embarkation Gates”, page 16 of 26, line 29: renumber the Subsection heading as follows:

“5.11.3 Passenger Embarkation Gates”

56. Revise RFP Volume IV, Section 5, Subsection 5.10.4, “Passenger Deck Maintenance Railings”, page 17 of 26, line 3: renumber the Subsection heading as follows:

“5.11.4 Passenger Deck Maintenance Railings”

57. Revise RFP Volume IV, Section 5, Subsection 5.10.5, “Upper Vehicle Deck Railings”, page 17 of 26, line 10: renumber the Subsection heading as follows:

“5.11.5 Upper Vehicle Deck Railings”

58. Revise RFP Volume IV, Section 5, Subsection 5.10.6, “Navigation Bridge Deck Railings”, page 17 of 26, line 18: renumber the Subsection heading as follows:

“5.11.6 Navigation Bridge Deck Railings”

59. Revise RFP Volume IV, Section 5, Subsection 5.10.7, “Mast and Raised Platform Rails”, page 17 of 26, line 25: renumber the Subsection heading as follows:

“5.11.7 Mast and Raised Platform Rails”

60. Revise RFP Volume IV, Section 5, Subsection 5.10.8, “Handrails”, page 18 of 26, line 1: renumber the Subsection heading as follows:

“5.11.8 Handrails”

61. Revise RFP Volume IV, Section 5, Subsection 5.10.9, “Chain Rails”, page 18 of 26, line 10: renumber the Subsection heading as follows:

“5.11.9 Chain Rails”

62. Revise RFP Volume IV, Section 5, Subsection 5.10.10, “Storm Rails”, page 18 of 26, line 22: renumber the Subsection heading as follows:

“5.11.10 Storm Rails”

63. Revise RFP Volume IV, Section 5, Subsection 5.10.11, “Curtain Plate Openings Safety Rails”, page 18 of 26, line 27: renumber the Subsection heading as follows:

“5.11.11 Curtain Plate Openings Safety Rails”

64. Revise RFP Volume IV, Section 5, Subsection 5.11, “MOORING FITTINGS”, page 19 of 26, line 1: renumber the Subsection heading as follows:

“5.12 MOORING FITTINGS”

65. Revise RFP Volume IV, Section 5, Subsection 5.12, “CLEATS AND STOPPERS”, page 19 of 26, line 16: renumber the Subsection heading as follows:

“5.13 CLEATS AND STOPPERS”

66. Revise RFP Volume IV, Section 5, Subsection 5.13, “MISCELLANEOUS FITTINGS”, page 20 of 26, line 1: renumber the Subsection heading as follows:

“5.14 MISCELLANEOUS FITTINGS”

67. Revise RFP Volume IV, Section 5, Subsection 5.14, “LIFTING PADEYES”, page 20 of 26, line 13: renumber the Subsection heading as follows:

“5.15 LIFTING PADEYES”

68. Revise RFP Volume IV, Section 5, Subsection 5.15, "CURBING AND FREEING PORTS", page 21 of 19, line 19: renumber the Subsection heading as follows:

"5.16 CURBING AND FREEING PORTS"

69. Revise RFP Volume IV, Section 5, Subsection 5.16, "VEHICLE GUARD STANCHIONS", page 22 of 19, line 16: renumber the Subsection heading as follows:

"5.17 VEHICLE GUARD STANCHIONS"

70. Revise RFP Volume IV, Section 5, Subsection 5.17, "VEHICLE BARRIER", page 22 of 26, line 26: renumber the Subsection heading as follows:

"5.18 VEHICLE BARRIER"

71. Revise RFP Volume IV, Section 5, Subsection 5.18, "SAFETY LINES AND FITTINGS", page 23 of 26, line 12: renumber the Subsection heading as follows:

"5.19 SAFETY LINES AND FITTINGS"

72. Revise RFP Volume IV, Section 5, Subsection 5.18, page 23 of 26, line 16: replace "as set forth in **TABLE 5-1**" with the following:

"as set forth in **TABLE 5-2**"

73. Revise RFP Volume IV, Section 5, Subsection 5.18, **TABLE 5-1**, DBI/SALA System Accessories and Hardware, page 24 of 26, after line 12: renumber Table heading as follows:

"**TABLE 5-2** DBI/SALA System Accessories and Hardware"

74. Revise RFP Volume IV, Section 5, Subsection 5.19, "SPARE PARTS AND INSTRUCTION MANUALS", page 25 of 26, line 10: renumber the Subsection heading as follows:

"5.20 SPARE PARTS AND INSTRUCTION MANUALS"

75. Revise RFP Volume IV, Section 5, Subsection 5.20, "TESTS, TRIALS, AND INSPECTIONS", page 25 of 26, line 15: renumber the Subsection heading as follows:

"5.21 TESTS, TRIALS, AND INSPECTIONS"

76. Revise RFP Volume IV, Section 5, Subsection 5.21, "PHASE II TECHNICAL PROPOSAL REQUIREMENTS", page 25 of 26, line 19: renumber the Subsection heading as follows:

"5.22 PHASE II TECHNICAL PROPOSAL REQUIREMENTS"

77. Revise RFP Volume IV, Section 5, Subsection 5.22, "PHASE III DETAIL DESIGN AND CONSTRUCTION REQUIREMENTS", page 26 of 26, line 9: renumber the Subsection heading as follows:

"5.23 PHASE III DETAIL DESIGN AND CONSTRUCTION REQUIREMENTS"

78. Revise RFP Volume IV, Section 6, Subsection 6.9, "DECK COVERINGS / CARPETING", page 5 of 14, lines 25 - 27: replace the two sentences beginning "Provide LEE CARPETS ..." and ending "... Phase II Design Requirement." with the following sentences:

"Provide LEES SQUARED® carpet squares with Super Self Lock™ system, or equal, in locations as indicated in TABLE 6-1. Pilothouse areas shall be provided with ERGOaire® Cushion Backing or equal, and all other areas indicated for carpet in TABLE 6-1 shall be provided with Integrated Cushion Thermobond™ (ICT) Backing System or equal. Color shall be as determined by the color boards in Section 25 of the Phase II Design Requirement."

79. Revise RFP Volume IV, Section 6, Subsection 6.10, "WAINSCOTING", page 6 of 14, line 2: after the sentence ending "...finish and configuration with WSF Representative." add the following sentence:

"Due to recent failures of wainscoting adhesion to bulkhead surfaces on WSF Ferry Vessels, special attention shall be applied to the surface preparation and installation of all such installations, and the surface preparation shall be considered as a production "Hold Point" for inspection purposes, as set forth in the *Major Production Milestone Hold Points* Subsection in Section 1 of the Technical Specification."

80. Revise RFP Volume IV, Section 12, Subsection 12.3, "GENERAL", page 4 of 58, after line 22: add the following new paragraph:

"The Contractor's design shall take into consideration the influence of exterior air pressures introduced at doorways to the exterior of the Vessel, which due to pressure/vacuum forces at the closed end of any passageways, have the potential to either sucking the door open or blowing the door closed, and/or prevent the door from readily opening. Door entrances falling within such a category shall be provided with pressure relief vents which will relieve the pressure causing the door to not open or close properly. Approved fire dampers shall be provided in any such vents, where required by regulation. The Contractor's design shall be free of such high or low pressure areas at exterior door locations wherever practicable. Any such unavoidable occurrences shall be presented to the WSF Representative for approval, during the design phase and prior to construction."

81. Revise RFP Volume IV, Section 12, Subsection 12.4.1, "Design Temperatures", page 15 of 58, TABLE 12-3 cont'd, Sun Deck, cont'd: replace the space designation "Lift Jacket Locker" with the following:

"Life Jacket Locker"

82. Revise RFP Volume IV, Section 12, Subsection 12.5.2, "Terminal Reheat Air Conditioning Systems", page 19 of 58, line 38: after the sentence ending "... failure during the cooling season.", add the following new paragraph:

"The EOS Control Console shall be provided with an adjustable mechanical exhaust system as set forth in Section 99 of the Technical Specification, and the requirements of this Section of the Technical Specification."

83. Revise RFP Volume IV, Section 13, Subsection 13.6.1.2, "HI-FOX High Pressure Water Mist Fire Suppression Systems, General", page 5 of 24, line 36: after the sentence ending "... water mist fire suppression system.", add the following new paragraphs:

"BE ADVISED: WSF has been experiencing difficulties, failures, and the need for multiple adjustment and testing of "peel-away" inner liner type watertight bulkhead penetration sleeves/inserts for pipe, tube, and electrical cable. Therefore, the use of such watertight type bulkhead sleeves/inserts, in any type of bulkhead, is specifically prohibited for pipe, tube, and electrical cable under this Contract, whether approved by the Authoritative Agencies or not. Bulkhead penetrations acceptable to WSF are set forth in the *INSTALLATION* Subsection of Section 74 of the Technical Specification, and the *Cable Routing, Penetrations, and Hangers* Subsection of Section 87 of the Technical Specification. WSF would entertain the use of ROMAC Style 702, or equal compression type couplings, as a penetration sleeve for piping/tubing for this system, if approved by

the Authoritative Agencies.

"Acceptable pipe and tube system support hanger systems are set forth in the *INSTALLATION* Subsection of Section 74 of the Technical Specification. Acceptable electrical system support hanger systems are set forth in the *Cable Routing, Penetrations, and Hangers* Subsection of Section 87 of the Technical Specification. Any departure from such requirements will require specific system "or equal" approval by the WSF Representative PRIOR to USCG system approval.

"The Contractor is reminded that the HI-FOG High Pressure Water Mist Fire Suppression system is an Authoritative Agency approved "System" as designed and approved. ANY departure from the approved "System" design will not be permitted. Field installation representative redesign/rerouting of the USCG approved "System" design is prohibited. The HI-FOG High Pressure Water Mist Fire Suppression system shall meet the requirements of the WSF Contract Technical Specification regardless of the manufacturer's "usual" practices.

"The Contractor shall provide the design and installation under close communication, direction, and assistance of a HI-FOG system factory certified representative. Final adjustment and testing shall be performed by a factory certified representative. Therefore, the Contractor shall put into place and maintain a local and/or U.S. factory certified representative resource system to provide quick access to technical information and assistance, as opposed to having to deal directly with the parent company on a regular basis."

84. Revise RFP Volume IV, Section 14, Subsection 14.7.14, "Cementing", page 14 of 38, lines 2 through 9: replace the paragraph with the following paragraphs:

"The inaccessible portions of the skegs, and portions of the bottom structure in way of the stern frame and rudder, shall be filled with concrete to ensure complete drainage and proper maintenance. The concrete mix shall include a lightweight aggregate of a weight density of not more than 100 pounds per cubic foot and include an approved hydrophobic concrete waterproofing system. Vibration tools shall be used to ensure the concrete settles into the most remote areas. Cut limber holes as needed for drainage. The concrete shall be sloped for drainage. All steel shall be properly prepared and coated in accordance with TABLE 14-2 prior to placing concrete. Cured cement shall be prepared and coated to match color and system of the surrounding area prior to delivery of the Vessel. Cement is to be installed after Builder's Trials as directed by the WSF Representative:

4.1.1 Hydrophobic Concrete Waterproofing System

4.1.1.1 Quality Assurance

Manufacturer Qualifications: Utilize products from a manufacturer having demonstrated experience on projects of similar size and complexity for a minimum of twenty (20) years.

1. Acceptable manufacturer shall review and approve waterproofing details and procedures, including joint detailing, water-stop detailing, and related information as applicable.
2. Acceptable manufacturer shall provide pre-placement and placement inspection of waterproof concrete production and installation to document conformance with specifications

4.1.1.2 Concrete Waterproofing Admixture

A hydrophobic concrete waterproofing system manufactured by GLACIER NORTHWEST, Inc., or equal. GLACIER NORTHWEST Inc. can be contacted at 5975 East Marginal Way South, Seattle, WA 98134; Telephone: (206) 764-3000, Fax: (206) 764-3012; website: www.glaciernw.com.

The hydrophobic waterproofing admixture shall include the following:

1. A three (3) ingredient system to achieve watertightness and corrosion-free service life: a superplasticizer, which reduces batching water requirements, thus limiting the volume of the capillary network in the concrete.
2. A reactive hydrophobic pore-blocking ingredient (this is an aqueous emulsion of hydrophobic materials and polymers in the chemical family of aliphatic fatty acids).
3. Product-specific waterstop protection at construction joints and penetrations.
 - A. Everdure Caltite™, or equal:
Material: Reactive hydrophobic pore-blocking ingredient.
Type: Aqueous emulsion of hydrophobic materials and polymers, composed of aliphatic fatty acids.
4. Provide accessory products and systems, including:
 - A. Superplasticizer for the purpose of reducing batching water requirements of concrete and to improve workability to assist placing and proper consolidation of a manufacturer acceptable to the concrete waterproofing manufacturer, comply with ASTM C494, Type F.
 - B. Polypropylene Fiber Reinforcement of a manufacturer acceptable to the concrete waterproofing manufacturer.

5. Mixes
- A. Waterproofing System: All concrete shall be waterproofed by the addition of Everdure Caltite™, or equal ingredients, including:
- 1) Everdure Caltite™, or equal at the rate of six (6) U.S. gallons per cubic yard.
 - 2) Superplasticizer at the manufacturer's recommended rate.
 - 3) Cementitious Content: The cementitious content of Everdure Caltite™, or equal concrete shall not be less than 590 lb/yd³ with up to 30% fly ash replacement acceptable.
 - 4) Polypropylene Fiber Reinforcement of a manufacturer acceptable to the concrete waterproofing manufacturer.
 - 5) Water/Cement Ratio: The water content shall be adjusted to compensate for the Everdure Caltite™, or equal, superplasticizer, and polypropylene fiber reinforcement maintaining the required workability; however, the water/cement ratio shall not exceed 0.42.
6. Source Quality Control
- A. All Work shall comply with the instructions and recommendations of the waterproofing admixture manufacturer.
- B. Verification of Performance: Provide ready-mixed concrete from a concrete supplier approved by the waterproofing manufacturer and authorized to dispense the manufacturer's waterproofing materials.
- 1) *Performance Requirements*: Provide waterproof concrete that has been manufactured and placed to comply with the following criteria: Corrected thirty (30) Minute Water Absorption, Age at Test, seven (7) days (BS 1881-122): Not greater than 1.0%.
 - 2) *Test Reports*: Upon request, provide test reports from recognized test facilities of material properties and standards compliance.
 - 3) *Certificates*: Submit manufacturer's certificate that products meet or exceed specified requirements.
7. Warranty
- A. Warranty Period: Ten years beginning with date of completed installation.
- B. Provide Warranty documents to WSF Representative specified herein at delivery of the Vessel."

85. Revise RFP Volume IV, Section 17, Subsection 17.11.1, "US Food and Drug Association (FDA) Inspection", page 16 of 18, line 26: replace the words "Ms. Katie Aolford (425) 483-4907 or" with the following:

"Ms. Katie Alford (425) 483-4907 or"

86. Revise RFP Volume IV, Section 19, Subsection 19.7.1, "Passenger Transit Seating", page 10 of 28, lines 2 through 5: replace the paragraph with the following paragraphs:

"The seat frame and armrests shall be of aluminum alloy construction with a powder coat finish. Seats shall be fixed, not hinged. Seats and backs shall be Naugahyde® Marblestone, or equal vinyl upholstered and replaceable. Transit seats shall be by TURNBULL S-2700 Series, or equal, similar to the TURNBULL seating modules located and installed aboard WSF Jumbo Mark II Ferries.

"Provide a quantity of ten-percent (10%) spare finished seat covers, per type and color, for the Passenger Transit seats, but a minimum of ten (10) covers each type and color. Spare covers shall be delivered to the Staff Chief Engineer, onboard the Vessel, at delivery of the Vessel."

87. Revise RFP Volume IV, Section 19, Subsection 19.7.2, "Bench Settees", page 10 of 28, lines 16 through 20: replace the paragraph with the following paragraphs:

"Settees shall be provided and arranged along the house side and Machinery Casing bulkheads in the Passenger Deck Lounges in accordance with the WSF Representative final approved arrangement. Frames, bases, and mounting beams shall be of aluminum construction with powder coat finish, TURNBULL TEI-4200WA Series: Clamshell Seating, or equal. Seats and backs shall be Naugahyde® Marblestone, or equal vinyl upholstered and replaceable. Seat bases shall not include toe kicks.

Provide a quantity of ten-percent (10%) spare finished seat covers, per type and color, for the Bench Settees seats, but a minimum of ten (10) covers each type and color. Spare covers shall be delivered to the Staff Chief Engineer, onboard the Vessel, at delivery of the Vessel."

88. Revise RFP Volume IV, Section 19, Subsection 19.7.2, "Bench Settees", page 10 of 28, lines 26 through 31: replace the sentence beginning with "Provide a minimum..." and ending with "...Equilok tamper-resistant pull-tight seal." with the following sentence:

"Provide a **machinery eye bolt** to the bottom of each lift up seat section (near the center) which **can be secured to** a single powder coated or satin stainless steel stud, in the mating seat side frame, adjacent structure, with a $\frac{3}{16}$ " maximum diameter hole to accept an OFE WSF Fleet-wide Standardized "RED" STOFFEL SEALS, design # C21158, Part #0322 Equilok tamper-resistant pull-tight seal."

89. Revise RFP Volume IV, Section 19, Subsection 19.7.3, "Lounge/Booths/Tables", page 11 of 28, lines 4 through 10: replace the paragraph with the following paragraphs:

"Provide a minimum of forty-four (44) lounge booths with tables. All other lounge booths shall be provided with a window sill mounted drink table (without cup holders) matching the booth tables in materials, color, and design similar to those shown on WSF Drawing No. 8304X-582-025-01 (*latest revision*). Bases and frames shall be of aluminum construction. Seats and backs shall be **Naugahyde® Marblestone, or equal** vinyl upholstered and replaceable. Units shall be designed and built to interface with dividing partitions and integral tables. Units shall be TURNBULL **TEI-4200WA Series: Clamshell Seating, or equal.**

"Provide a quantity of ten-percent (10%) spare finished seat covers, per type and color, for the Lounge Booth seats, but a minimum of ten (10) covers each type and color. Spare covers shall be delivered to the Staff Chief Engineer, onboard the Vessel, at delivery of the Vessel."

90. Revise RFP Volume IV, Section 19, Subsection 19.7.4, "Cafeteria Settees", page 11 of 28, line 17: replace the sentence "Cafeteria settees shall be TURNBULL 200 Series, or equal, for two (2) or four (4) persons." with the following sentence:

"Cafeteria settees shall be TURNBULL 200 Series (**200-002 & 200-004-A**), or equal, for two (2) or four (4) persons."

91. Revise RFP Volume IV, Section 20, Subsection 20.9, "TOILET STALL PARTITIONS", page 6 of 15, lines 23 through 33, and page 7 of 15, lines 1 through 15: replace the paragraphs with the following paragraphs:

"Toilet Stall Partitions shall be **BOBRICK, 1090 Sierra™ Series New Solid Color Reinforced Composite (SCRC)** or equal, floor to ceiling anchored, and include complete hardware. All bulkhead brackets, **hinges**, and hardware shall be of **heavy-gauge, 304** stainless steel secured **through the panels or into factory installed threaded inserts in accordance with the manufacturer's printed installation instructions**, with tamperproof

stainless steel screws and ADA approved handles. Partitions shall be heavy duty and readily removable for cleaning and maintenance. The Shipyard shall provide six (6) 32 oz. trigger spray bottles each of BOBRICK Graffiti Remover (Model #891099), or equal, as approved by the WSF Representative, for each Vessel. Remover shall be turned over to the WSF Construction Master at delivery of each Vessel.

"Doors, panels, and stiles shall be SCRC material.

"Doors and divisional panels shall be approximately fifty-eight (58) inches high and mounted twelve (12) inches above the finished deck.

"Doors shall be inswing, and hung on stiles that are permanently attached to the deck above and to the deck below for stability. The stiles shall be constructed in a similar manner to the door panels and shall be four (4) inches or more in width.

"The door hardware shall be such that the door does not swing and bang open and closed in any seaway. Bumper and heavy duty spring, spring loaded, or cam action hinges shall be provided to keep the doors closed at all times. All hardware shall be type 304 satin-finish stainless steel, 1092 heavy-duty hardware, or equal.

"A modesty screen shall be provided between the trough urinal and the ADA urinal in the Men's Restroom. The modesty screen shall be of the same material of the partition doors, and similar in construction to the stall partitions and, floor to ceiling anchored. They shall be bulkhead mounted with deck anchors the same as the partition stiles, and to overhead stainless steel pipe supports and be sized approximately 18 inches deep × 42 inches high.

"All partition anchors to the deck shall be accomplished using 1½ IPS, Type 316 stainless steel pipe secured to the steel deck up to and anchored through a flange plate to the stile bolts inside the bottom stainless steel stile shoe. Finished pipe support installation shall be a buffed bright finish. The intent of the pipe installation is to provide unhindered access around the stiles at the deck level for deck mopping as was accomplished for the WSF Ferry M/V Quinault, Illahee, and Nisqually."

92. Revise RFP Volume IV, Section 21, Subsection 21.3, "General", page 3 of 11, lines 1 - 2: replace the sentence "All doors shall have a latch throw of ¾ inch." with the following:

"All doors used in "A" Class boundaries shall have a latch throw of ¾ inch to meet Authoritative Agency requirements."

93. Revise RFP Volume IV, Section 21, Subsection 21.4 1, "General", page 3 of 11, lines 11 - 14: replace the sentence beginning "For WSF Homeland Security Standardization purposes, ..." and ending "... this Section of the Technical Specification." with the following:

"For WSF Homeland Security Standardization purposes, unless otherwise noted, all lock sets and deadbolts shall be BEST LOCK CORPORATION, and shall be provided with ORANGE construction cores at delivery (provided at no cost, as per BEST LOCK CORP. representative) with cores and key blanks as set forth in the "2MA" CORES AND KEYS Subsection in this Section of the Technical Specification."

94. Revise RFP Volume IV, Section 21, Subsection 21.4.1, "General", page 3 of 11, after line 15: add the following paragraph:

"Lock/latch assemblies shall include Entrance, Storeroom, Classroom, Dormitory single key function types, and keyless Passage function types as appropriate."

95. Revise RFP Volume IV, Section 21, Subsection 21.4 1, "General", page 3 of 11, line 16: replace the sentence "Lock sets shall be Mortise, Series 35H." with the following:

"Lock sets shall be Cylindrical, Series 9K."

96. Revise RFP Volume IV, Section 21, Subsection 21.4.1, "General", page 3 of 11, after line 16: add the following paragraph:

"Unless specified otherwise elsewhere in the Technical Specification, all doors, except firescreens, cited in this Section of the Technical Specification shall be provided with an 8KL3 Deadlocking Latch. Firescreen door latch throws shall meet Authoritative Agency requirements."

97. Revise RFP Volume IV, Section 21, Subsection 21.4.1, "General", page 3 of 11, line 17: replace the words "Trim shall be Style H, Lever 14. Escutcheon shall be Style J, 2¼ inches × 7½ inches." with the following:

"Trim shall be Style 14D, with security head screws."

98. Revise RFP Volume IV, Section 21, Subsection 21.4.1, "General", page 3 of 11, lines 21 and 22: delete the sentence "For cylinder locks and/or deadbolts for doors over two (2) inches in thickness see www.bestaccess.com/productslink.htm."
99. Revise RFP Volume IV, Section 21, Subsection 21.4.2, "Mortise Lockset Function", page 3 of 11, lines 24 - 30 and page 4 of 11, lines 1 through 7: delete Subsection 21.4.2 in its entirety.
100. Revise RFP Volume IV, Section 21, Subsection 21.4.3, "Indicator Deadbolt", page 4 of 11, line 8: renumber the Subsection heading as follows
- "21.4.2 Indicator Deadbolt"
101. Revise RFP Volume IV, Section 21, Subsection 21.4.4, "Deadbolt", page 4 of 11, line 15: renumber the Subsection heading as follows:
- "21.4.3 Indicator Deadbolts"
102. Revise RFP Volume IV, Section 21, Subsection 21.4.4, "Deadbolt", page 4 of 11, lines 16 - 20: replace both paragraphs with the following paragraphs:
- "Provide deadbolt locks on all doors that access the interior of the Vessel from the Weather, except those doors serving lockers, uptakes and similar "dead end" spaces. For single door installations provide one (1) "M-Double-Cylinder". For double door installations provide one (1) "M-Double-Cylinder", keyed both sides, on the outboard door; and one (1) "S-Classroom", keyed to exterior with thumb knob on inside, on the inboard door."
- "Doors providing direct access to the EOS and/or Engineer's Office shall be provided with "KL-Closet" deadbolt locks operable from the EOS side of these doors so that in case of a major security incident, the Engineering Crew can lock these doors securely from inside the EOS. The deadbolt lock assembly shall be located and installed immediately above the lock set installation."
- "Provide deadbolt locks installed near the tops of doors. Non-indicator deadbolts shall be BEST LOCK CORPORATION, Model 83T."

103. Revise RFP Volume IV, Section 21, Subsection 21.5, "KEYS", page 4 of 11, line 21: rename the Subsection heading as follows:

"21.5 2MA CORES AND KEYS"

104. Revise RFP Volume IV, Section 21, Subsection 21.5, "KEYS", page 4 of 11, lines 22 and 23: replace the entire paragraph with the following paragraphs:

"In addition to the ORANGE construction cores cited in the LOCKS AND LATCHES Subsection in this Section of the Technical Specification, provide one (1) WSF Fleet Standard "2MA" core per lock, and one (1) "A2" key blank per lock set. Keys shall be BEST LOCK CORPORATION. WSF Fleet Standard "2MA" cores and "A2" keys shall be turned over to the WSF Representative upon receipt of the locks, but no later than delivery of the Vessel.

"Provide twenty-four (24), numbered, ORANGE construction core master keys to the WSF Representative, at least seven (7) days prior to the beginning of door lock installation, for WSF use during the construction and post delivery."

105. Revise RFP Volume IV, Section 21, Subsection 21.7, "HINGES", page 5 of 11, line 18: replace the words "US32 or+ US32D." with the following:

"US32 or US32D."

106. Revise RFP Volume IV, Section 21, Subsection 21.7, "HINGES", page 5 of 11, lines 19 - 20: modify the sentence "Unless approved otherwise by the WSF Representative, all "A-60" Class type fire doors shall be provided with heavy ..." as follows:

"Unless approved otherwise by the WSF Representative, all "A-60" Class type fire doors shall be provided with adjustable, heavy duty bearing type hinges with grease zircs."

107. Revise RFP Volume IV, Section 21, Subsection 21.13, "HASPS", page 8 of 11, lines 27 - 29: replace both paragraphs with the following revised paragraphs:

"Where applicable, all hasps shall be sized, as noted below, for WSF furnished, as Owner Furnished Equipment (OFE), MASTER #3 padlocks.

"All hasps shall be sized to accept a $\frac{5}{16}$ inch shank diameter padlock, and shall be of Type 316, stainless steel material."

108. Revise RFP Volume IV, Section 21, Subsection 21.16, "TESTS, TRIALS AND INSPECTIONS", page 10 of 11, lines 7 - 8: replace the first paragraph with the following:

"The Contractor shall provide the services of the manufacturer's factory door representative for **initial installation**, final fit, adjustment, and operation of all doors."

109. Revise RFP Volume IV, Section 21, Subsection 21.18, "PHASE III DETAILED DESIGN AND CONSTRUCTION REQUIREMENTS", page 11 of 11, lines 1 - 3: replace the first paragraph which begins "The *Key and Lock List*, ..." and ends "... sub masters, (etc.)." with the following:

"The *Key and Lock List*, required in Section 100, shall include a full description of the key coding system and a listing of the quantity of **locks and keys** to be supplied under each door or door group. See **WSF Jumbo Mark II Class Drawing No. 8110-A74-004-03, DOOR HARDWARE & KEYING SCHEDULE** as guidance and the minimum requirements. The WSF Representative would entertain combining of the **KEY AND LOCK List** with the **NON-WATERTIGHT DOOR SCHEDULE** also required in Sections 4 and 100 of the Technical Specification."

110. Revise RFP Volume IV, Section 25, Subsection 25.3, "GENERAL", page 2 of 12, lines 22 - 25: replace the first paragraph which begins "All joiner work, ..." and ends "... behind bulkheads." with the following:

"All joiner work, overheads, and applied architectural details **of the design** must be viewed within the context of high use, **ease of maintenance, aesthetics,** and a life cycle of fifteen (15) years. All items **shall** be evaluated in terms of low maintenance, ease of replacement, and access to **window replacement,** wiring and/or plumbing in overheads and behind bulkheads."

111. Revise RFP Volume IV, Section 72, Subsection 72.8, "CONTROL AIR PIPING", page 4 of 6, lines 21 - 24: replace the paragraph beginning "Control air shall be supplied ,," and ending "... the PSI Contractor's Control System requirements." with the following:

"**Provide a one (1) inch IPS, 160 to 200 psi control air supply** from the **Vessel's Starting Air System** through Contractor provided reducing stations, Owner Furnished Equipment (OFE) refrigerated filter/dryers, and a dedicated OFE control air receiver. **The pressure regulator shall be set at 165 psi, with the associated pressure relief valve set accordingly.** A control air system shall be provided in accordance with the PSI Contractor's Control System requirements."

112. Revise RFP Volume IV, Section 74, Subsection 74.5, "TABLE 74-1", page 8 of 33, line 13: after the Table title "Spare Flexible Connection Assemblies", and centered below, add the following words:

"(for each Vessel)"

113. Revise RFP Volume IV, Section 74, Subsection 74.8.2, "Proper Isolation of Dissimilar Metals" page 13 of 33, lines 9 – 21: replace the subsection in its entirety with the following:

"Avoid unnecessary joints between ferrous and nonferrous materials. Where such joints cannot be avoided, and where approved for use by the Authoritative Agencies, both Shipyard, and/or Owner Furnished Equipment to Shipyard piping system(s) dissimilar metal connections for all tubing and piping systems equal to or greater than two (≥ 2) inches diameter, shall be provided with a GARLOCK EZ-Flo 206 expansion joint for WSF Fleet-wide Standardization purposes, of a material compatible with the service fluid of that piping system. For any flexible connection installed, provide spare flexible connection assemblies for each Vessel in those quantities as set forth in TABLE 74-1 in this Section of the Technical Specification. The above mentioned spare flexible connections, as a result of this requirement, shall be turned over to the WSF Representative at delivery of each Vessel under this Contract.

"Should the above mentioned GARLOCK EZ-Flo 206 expansion joint isolation method not be approved by Authoritative Agencies for a specific system, and where such joints cannot be avoided, a flanged "waster piece," fourteen (14) inches long, of extra-heavy black iron pipe and black iron fittings shall be provided. Waster pieces shall be designed for easy replacement and incorporated in readily accessible locations. *Waster pieces shall not be galvanized, nor painted.* Wherever any waster spool is installed, an identical waster spool shall be provided as an emergency replacement. Spare waster spools shall be attached to structure as near as practicable to the installed spool piece with ASTM F708, Figure 1 ~ *Split Cap Hangers*.

"In all tube and pipe systems connecting ferrous and nonferrous materials of less than two (< 2) inches diameter, dielectric unions may be substituted for the flexible connections and/or flanged waster piece between the dissimilar metal tube and pipe.

"All dissimilar metal isolators, whether "flexible connector", "waster piece", or "dielectric union" shall be clearly located and indicated on piping arrangements drawings and FINAL AS-BUILT drawings.

"No flexible connection, waster piece, or dielectric union is required where a nonferrous line connects to a ferrous line having a diameter two (2) or more times larger than the nonferrous line."

114. Revise RFP Volume IV, Section 74, Subsection 74.11, "CLEANING AND FLUSHING", page 19 of 33, lines 1 - 2: replace the words beginning "strainers shall be..." and ending "...during flushing activities.", with the following:

"strainers shall be lined with ten (10) micron filter bags (five [5] micron for fuel and hydraulic systems) and strainer magnets, and shall be inspected every two (2) hours during flushing activities."

115. Revise RFP Volume IV, Section 80, Subsection 80.10, "LIFTING GEAR", page 7 of 9, lines 20 - 24: replace the sentence beginning "Beams shall extend over..." and ending "...removed parts on portable carts." with the following:

"Beams shall extend over the top of both sides of each Main Engine and above each SSDG, and past the front of the diesel engine / generators, joining together and proceeding outboard to access a 48"x76" clear opening equipment removal trunk up through the machinery casing to the Lower Vehicle Deck to allow placement of removed parts on portable carts."

116. Revise RFP Volume IV, Section 80, Subsection 80.10, "LIFTING GEAR", page 7 of 9, lines 26 - 28: replace the sentence beginning "Provide a 48"x72" clear opening..." and ending "... a 2½ ton (minimum) pneumatic, driven hoist.", with the following:

"Provide a 48"x76" clear opening equipment removal trunk at the Lower Vehicle Deck level above the Engineer's Stores location with a minimum of a three (3) ton trolley system at its top, with locking device and a 2½ ton (minimum) pneumatic, driven hoist."

117. Revise RFP Volume IV, Section 87, Subsection 87.12.1, "General", page 19 of 33, line 9: after the sentence ending "... with Passenger Vessel marine industry practices.", add the following paragraph:

"Unless designated differently by the WSF Representative, regardless of those requirements specified elsewhere in this Technical Specification or any drawing, all cable of any type, installed in "weather" areas as defined in the *Cable Routing, Penetrations, and Hangers* Subsection in this Section of the Technical Specification shall have the cable manufacture's weatherproof rating. Any deviation to this requirement will only be allowed after written approval of the WSF Representative."

118. Revise RFP Volume IV, Section 87, Subsection 87.12.2.2, "Design - Construction", page 21 of 33, line 25: replace the word in brackets "(unaged)" with the following:

"(un-aged)".

119. Revise RFP Volume IV, Section 87, Subsection 87.12.4, "Cable Identification", page 31 of 33, line 26: after the sentence ending with "exposed.", add the following new sentence:

"Cables entering enclosures, fixtures, distribution panels, switchboards, and other similar items and devices shall have a cable length provided inside the cabinet equal to twice the height, plus the width of the enclosure."

120. Revise RFP Volume IV, Section 94, Subsection 94.4, "ELECTRONIC NAVIGATION EQUIPMENT ARCHITECTURE": replace the subsection in its entirety with the following:

"To illuminate WSF Fleet-wide Standardized system architecture for certain electronic navigation equipment required under this Contract, WSF presents WSF Drawing No. 8301-661-094-03 (*latest revision*) which represents an electronic navigation equipment electronic data wiring diagram for the M/V ISSAQUAH amplifying and updating the methodology acceptable to WSF.

"The Contractor shall provide an interconnected electronic navigation equipment system design that meets the requirements and spirit of the above mentioned architectural design and methodology."

121. Revise RFP Volume IV, Section 95, Subsection 95.7.1, "General Requirements", page 46 of 60, line 34: after the sentence ending "... 100 of the Technical Specification.", add the following sentence:

"See weatherproof cable requirements as set forth in the *CABLE INSTALLATION* Subsection in Section 87 of the Technical Specification."

122. Revise RFP Volume IV, Section 95, Subsection 95.9.1, "Circuit "J", PABX Telephone System", page 51 of 60, lines 29 - 32: replace the words beginning "WSF has provided an OFE ..." and ending "... methodology acceptable to WSF." with the following:

"WSF has provided an OFE Central Exchange cabinet wiring diagram as part of Reference (95D). WSF Drawings No. 8204-669-095-02 (*latest revision*) and No. 8204-642-095-02 (*latest revision*) represents PABX and cellular phone installations, respectively, for the M/V ELWHA amplifying the methodology acceptable to WSF."

123. Revise RFP Volume IV, Section 99, Subsection 99.5.2.2, "EOS Control Console", page 10 of 14, line 24: after the sentence ending "...and schedule of the Contractor." add the following paragraph:

"The Control Room (EOS) Control Cabinet shall be provided with a ducted exhaust system from the top of the cabinet, and tied to an EOS space mechanical exhaust system. The Contractor shall provide two (2) properly sized exhaust ducts out through the top of the cabinet, one (1) each out of sections "2" and "6", near each end of the cabinet. The system shall be sized to a minimum of fifty (≥ 50) CFM, and shall have an adjustable balancing damper which will provide the ability to adjust the console exhaust from fifty (50) CFM to five (5) CFM for removal of heat shed of console equipment. The console exhaust system shall meet the requirements of Section 12 of the Technical Specification."

124. Revise RFP Volume IV, Section 101, Subsection 101.1, "REFERENCES", page 3 of 59, lines 15 - 16: delete the Reference "(101B) MARITIME ADMINISTRATION SUPPLEMENTARY PROCEDURE FOR TESTING MACHINERY, dated SEPTEMBER 1, 1977" in its entirety.

125. Revise RFP Volume IV, Section 101, Subsection 101.1, "REFERENCES", pages 3 and 4 of 59: renumber the Reference headings as follows:

Lines 17 - 18:

"(101B) IEEE STANDARD 45-1983, *IEEE Recommended Practice For Electric Installations*"

Lines 19 - 20:

"(101C) AMERICAN BUREAU OF SHIPPING, *Rules For Building And Classing Steel Vessels*"

Lines 21 - 24:

"(101D) USCG NVIC 17-91, GUIDELINES FOR CONDUCTING STABILITY TESTS/ASTM F1321, *Standard Guide For Conducting A Stability Test (Lightweight Survey And Inclining Experiment) To Determine The Lightship Displacement And Centers Of Gravity Of A Vessel*"

Lines 25 - 27:

"(101E) SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS TECHNICAL AND RESEARCH (SNAME) - BULLETIN No. 3-47, *Guide For Sea Trials - 1989*"

Line 28:

“(101F) CODE OF FEDERAL REGULATIONS, Chapter 33”

Line 29

“(101G) CODE OF FEDERAL REGULATIONS, Chapter 46”

Line 1:

“(101H) VOLUME V, *OWNER - FURNISHED EQUIPMENT*”

126. Revise RFP Volume IV, Section 101, Subsection 101.3, “GENERAL”, page 4 of 59, lines 19 - 25: replace the paragraph beginning “Tests and Trials shall satisfy ...” and ending “... Reference (101B), the Technical Specification shall take precedence.” with the following paragraph:

“Tests and Trials shall satisfy the requirements of the applicable codes of the Society of Naval Architects and Marine Engineers (SNAME) except as noted in this Technical Specification. Shop and installation tests shall be in accordance with References (101A) and (101E).”

127. Revise RFP Volume IV, Section 101, Subsection 101.4.1, “WSF Example Test Procedures”, page 5 of 59, lines 33 - 35: replace the words beginning “During this modification process, ...” and ending “... with the Authoritative Agency” with the following:

“During this modification process, the Contractor shall use References (101A), (101B), and (101C) for guidance, and shall include any tests and demonstrations required to show compliance with the Authoritative Agency”

128. Revise RFP Volume IV, Section 101, Subsection 101.22, “SEA TRIALS”, page 48 of 59, lines 2 - 5: modify the sentence beginning “After completion ...” and ending “... applicable sections of References (101B) and (101F).” with the following:

“After completion of successful Dock Trials and Preparatory Sea Trials, and when construction is substantially complete (except for WSF approved minor items of Work) and when the Vessel is ready for Sea Trials, the Contractor shall conduct Sea Trials in accordance with the test procedures and applicable sections of References (101B) and (101E).”

(END)