Guided Missile Frigate (FFG 62) Update
National Symposium – Surface Navy Association

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Guided Missile Frigate (FFG 62) Program Description

Mission:

Anti-Submarine Warfare, Surface Warfare, Electromagnetic Maneuver Warfare, and Air Warfare

Description:

FFG 62 is an agile, multi-mission platform designed for operation in littoral and blue water environments.

Employment:

Operate independently or integrated with a Task Force to conduct offensive and defensive Surface, Anti-Submarine, and Air Warfare

Acquisition Approach

Two Phase Acquisition Approach

- **Phase I:** FFG 62 Conceptual Design (CD) **(February 2018 – June 2019)**
  - Matured Industry parent designs toward meeting FFG 62 requirements
  - Full and Open Competition w/(5) CD contracts awarded on 16 Feb 2018
  - Enabled Navy and Industry readiness for Phase II competition
- **Phase II:** FFG 62 Detail Design and Construction (DD&C) **(Contract awarded April 30, 2020)**
  - Intent: Design, construction, and delivery of FFG 62
  - Full and Open Competition *(not limited to CD participants)* for 10* ships (base year + 9 options)
  - Current Program of Record Planned Procurement = 20 ships

PB21 Procurement Profile:

FY	20	21	22	23	24	25	26	27	28	29	30
QTY	1	1	1	2	2	3	2	2	2	2	2
Hull	1	2	3	4	6	8	11	13	15	17	19
				5	7	9	12	14	16	18	20
						10					

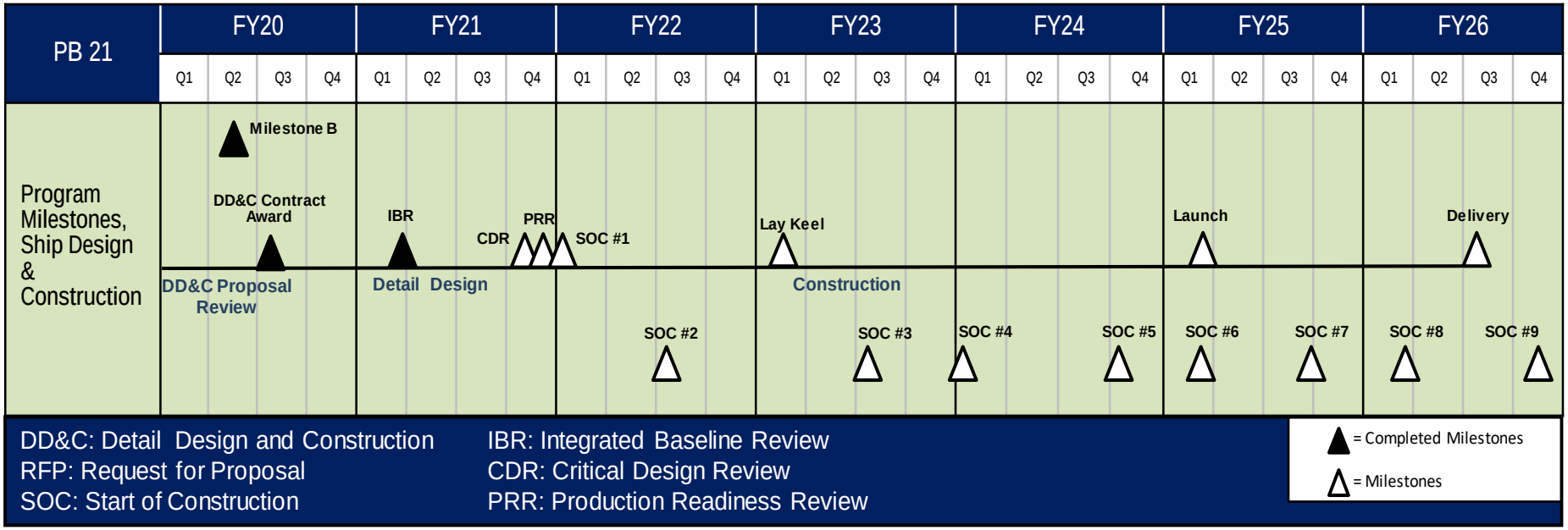
* Ships 11-22 procurement strategy to be determined

Program Status

- **Program Successes Since Contract Award:**
  - Completing Detail Design
  - Initial delivery of FMM's Build Specification
  - Transitioning to Domestic manufacturing on Ship 1
  - Initial Integrated Baseline Review (IBR)
  - SECNAV Announced
    - Ship 1: USS CONSTELLATION (FFG 62)
    - Ship 2: USS CONGRESS (FFG 63)

- **FY21 Focus Areas:**
  - Navy approval of FMM's Build Specification
  - Completion of Detail Design: Fall of 2021
    - Critical Design Review (CDR)
    - Production Readiness Review (PRR)
  - Start of Lead Ship Construction: Fall of 2021

Program Schedule



Design Features

FINCANTIERI MARINETTE MARINE
FFG(X) Design Features and Capabilities

Principal Characteristics	
LOA	496.1 ft
LBP	462.2 ft
Beam Overall	64.6 ft
Design Draft	18.0 ft
Installed Power	48,679 hp
Service Life	25 yrs

Accomodations	
Total Accomodations	200
Officer Berthing	24
Enlisted Berthing	176

Weight Estimate	WT (lt)	KG (ft-ABL)
LS Displacement	6,012	29.53
FL Displacement	7,291	26.90

Machinery and Auxiliary Systems

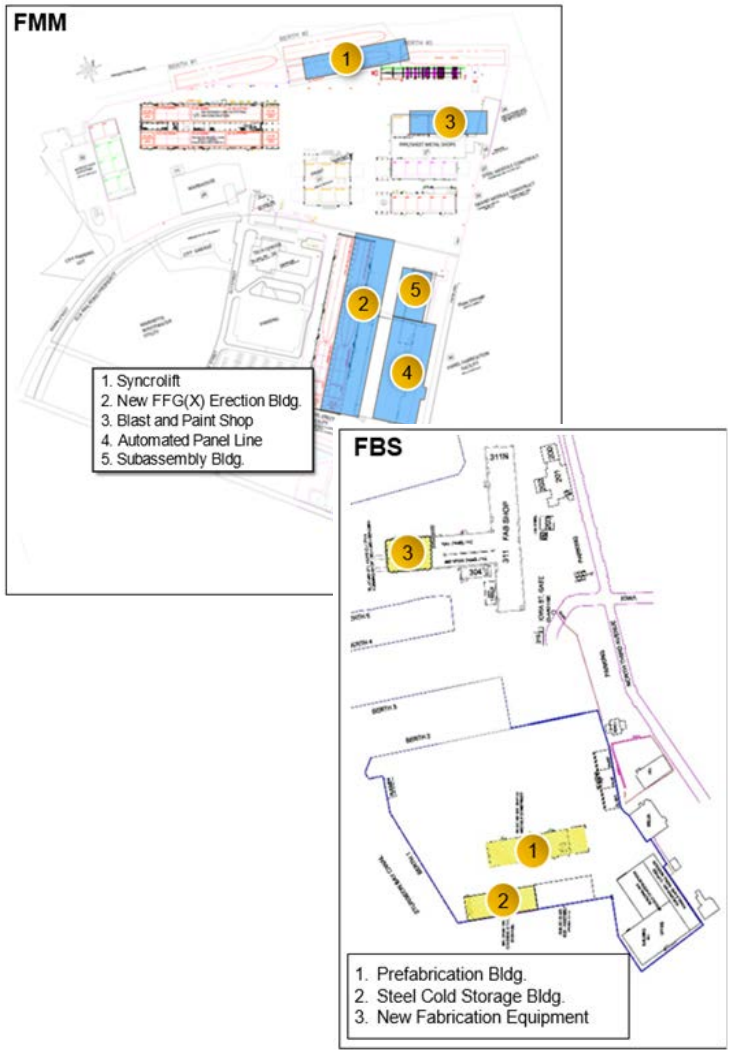
CODLAG Propulsion Plant
(1) Gas Turbine
(2) Electric Propulsion Motors
(4) Ship Service Diesel Generators
(1) Auxiliary Propulsion Unit

Mission

Combat System: AEGIS B/L 10; AN/SPY-6(V)3; AN/SQQ-89(V)16 and VDS; MK 48 GWS
Hangar: One MH-60R, plus UAV
Armament & qty:
(1) MK 110 57mm Gun
(32) MK41 VLS
(16) NSM Weapon System
(1) MK 49 RAM
(4) MK 53 MOD 9 DLS
(2) AN-SLQ-32(V)6 CM (SEWIP) BLK II

FMM Shipyard CAPEX

- FMM is in the process of making major upgrades and expansion to both Marinette and Bay Shipyards as capital improvements to support the FFG 62.
- **Marinette**
  - Syncrolift
  - Preparation and blast paint facility
  - Module/grand module construction facility
  - Final hull erection and outfitting facility
- **Bay Shipyard**
  - Steel processing and fabrication facility for Naval Vessels
  - Module and super construction, and hull erection facility
- FMM is in alignment with our program schedule and is on track to support planned Frigate construction



Buy American & Action Plan

- **Navy is committed to fostering a healthy and efficient shipbuilding industrial base**
  - Shipbuilding and supporting vendor base constitutes a national security imperative that is unique and must be maintained
- **Upon the FFG 62 lead ship contract award, it contained greater than 96% US content by value**
- **Ship Baseline was selected to meet the stringent cost and technical performance requirements**
- **FFG 62 propulsion equipment is on the transition path to be fully U.S. manufactured beginning with ship 1 by developing the U.S. workforce**
  - Will create over 200 new jobs across multiple states
  - Ship Service Diesel Generators (SSDG): Domestic manufacturing transition on ship 1 by developing the U.S. workforce and 100% production by ship 2
  - Electric Propulsion Motors (EPM): Domestic manufacturing transition on ship 1 by developing the U.S. workforce and 100% production by ship 2
  - Bearings, Shafts, Seals: 100% U.S. manufacturing by ship 1
- **Early transition in the program allows for a common class configuration, while reducing risk**
- **Evaluation of options to achieve a best value and incorporate lessons learned will continue**

Questions?