F-35 Introduction to
MCAS Cherry Point

Public Works
May 10, 2018

FOUO
USMC F-35 ‘Ready for Operations’

- MCAS Yuma - 1 May 2012
- MCAS Beaufort - 1 Jan 2014
- MCAS Iwakuni - 1 Mar 2014
- USMC Okinawa - 1 July 2016
- MCAS Miramar - 1 May 2022
- MCAS Cherry Point - 1 May 2022
Needed to Support F-35 Facility Requirements

- Upgraded Utilities
- Hangars
- Simulator Facility
- Airfield Security
- ATC/AirOps Fac
- Airfield Improvements
- Vertical landing pads

- LHA Deck
- ALF Improvements
- Sprt Eqmt Storage
- MALS Maint Fac
  - GSE Shop
  - Power Plants
  - Armament Shop
• Updated in 2014
• Included a ‘Flightline Study and ATCT Siting Study’.
• Improved upon the initial F-35 facilities concept as identified in the 2009 ‘NAVFAC Concept Development Plan.’
• Utilities Study initiated in 2014

Studies Recommend Recapitalizing Flightline Facilities
• VMAQs (EA-6B) sundown FY16-19, per the AVPLAN
  (empty hangars will allow for demolition/construction)
• VMAs (AV-8B) transition FY22-26
  (concurrent with F-35 fielding)
• UC-35 Det relocates to hangar 250 in FY19
  (supports remaining UC-35s)

First F-35 Aircraft to arrive in OCT 2022?
1st F-35 Hangar
Project Timeline

Design: 12 months
Demolition: 4-6 months
Construction: 24 months
SPAWAR Install / SAPF Certification / ALIS: 6-9 months
Project Completion – 36 months

*RFO per DCA

FOUO
F-35 Lightning

The F-35 Program requires the complete recapitalization of antiquated aviation operation and support facilities to accept 7 F-35B/C squadrons over an 8 year period. Other facilities projects, to include airfield security improvements, and new aviation training facilities are also planned.

F-35B/C Lightning Infrastructure Program

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<thead>
<tr>
<th>Year</th>
<th>Project</th>
<th>Description</th>
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<tbody>
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<td>P-222</td>
<td>Airfield Security Upgrades</td>
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<td>P-199</td>
<td>F-35 Hangar, Para Loft, Demo Hangars 130, 1700, 1701</td>
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<td>P-235</td>
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<td>P-228</td>
<td>ATC Tower / AirfieldOps, Demo hangar 131</td>
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<td>Runway Improvements</td>
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<td>MAL5 Maint Facility/MAG-HQ, Demo 3998, 3997</td>
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<td>Vertical Landing Pad Improvements</td>
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MILCON Project Summary

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First Aircraft Arrival

- FY16: VMAT-1
- FY17: VMAT-2
- FY18: VMAT-3
- FY19: VMAT-4
- FY20: VMAT-203
- FY21: VMAT-203
- FY22: VMAT-203
- FY23: VMAT-203
- FY24: VMAT-203
- FY25: VMAT-203
- FY26: VMAT-203
- FY27: VMAT-203
- FY28: VMAT-203
- FY29: VMAT-203
- FY30: VMAT-203
- FY31: VMAT-203

End Construction
• F-35 Joint Program office conducted site survey in March 2018 and validated proposed projects
• Over 650,000 SF of new construction plus major infrastructure upgrades planned
• Over 900,000 SF of demolition
• Over $850M in MILCON costs
• Projects through FY20 are solid in the MILCON program which is close to 50% of total requirement

First F-35 Aircraft to arrive in JUL 2022
QUESTIONS?
## Hangar Plan

### Hangar FY16 - FY23

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### Planning Considerations:
- VMAs require hangar space through transition
- 30 months for Hangar Demo/Construction + 6-month to 9-month for certifications
- VMAs exceed FY16-19 per AVPLAN
- Current plan is based on FY18 AVPLAN
- Add additional AC parking for VMGR-252 in 250S in FY19

### Key Dates:
- **Sundown:**
  - VMAT-231: SEP-22
  - VMQ-542: MAR-23
  - VMQ-723: MAR-26
- **Transition:**
  - VMQ-723: SEP-22
  - VMQ-542: MAR-23
  - VMQ-231: MAR-26

### Diagram:
- First Aircraft Arrival
- Start Construction
- RFO
- VMFA
- VMFA
- VMFA
- VMFA
- VMFAQ-1
- VMFAQ-4
- VMFAQ-3
- VMFAQ-2
- VMAT-203
- VMQ-723
- VMQ-542
- VMQ-231
- End Construction

### Footnote:
- Hindu Date: 7/9/87