

U.S. Army Corps of Engineers Tulsa District

FY 16 Meet-The-Corps Day

10 February 2016



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Tulsa Resident Office “Top 5”

1. Green Zone

- A meeting with the Corps of Engineers to review requirements that must be met prior to initiating site work.



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Tulsa Resident Office “Top 5”

2. Resident Management System (RMS)/ Quality Control System (QCS)

- COE systems for administering contracts; includes but not limited to:
 - Submittals
 - Daily quality assurance logs
 - Requests for information
 - Schedule
 - Correspondence
 - Progress Payments



Tulsa Resident Office “Top 5”

3. Accident Prevention Plan

- EM 385-1-1 Appendix A



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Tulsa Resident Office “Top 5”

4. Submittals



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5. Schedule



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Tulsa Resident Office “Top 5”

Questions?



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Meet The Corps 2016

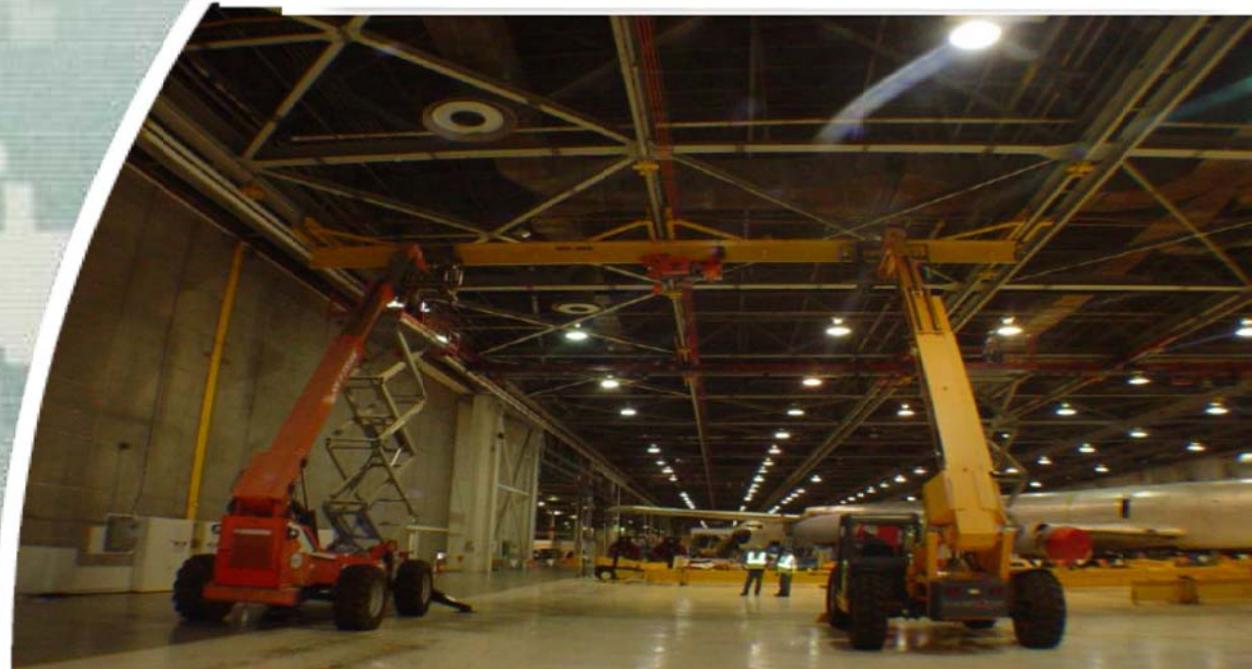
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Top 5 Tips For Performing Work on Tinker AFB



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Tinker AFB



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Top 5 Tips

- Security
- Schedule
- Working Environment
- Quality
- Proactive



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Security

- Background checks for all personnel
 - ▶ Passes versus badges
 - ▶ Contractor badging process
- Delivery inspections
 - ▶ All deliveries enter through the truck gate.
 - ▶ Delivery driver must pass background check
- Supplemental passes
 - ▶ Ramp access
 - ▶ Building access
 - ▶ Escorts



Schedule

- Scrutinized by both USACE and the users
 - ▶ Contractor needs to understand their schedule and work to stay on schedule
- Production schedules on Tinker AFB trump the contractor's schedule.



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Working Environment

- Buildings may have multiple tenants
- Multiple chains of command
- Unions
- Coordination with M&O contractor(TSS)



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Working Environment

- High production facilities-little to no downtime allowed
- Buildings are fully occupied
- Staging and laydown areas difficult to obtain



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Quality

- Industry standards plus
 - ▶ Unified Facility Criteria(UFC)
 - ▶ Air Force Engineering Technical Letters(ETL)
 - ▶ Tinker Specification and Construction Standards



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Proactive

- Ownership involvement
- Maintain control of your subcontractors
- Utilize subcontractors familiar with working on Tinker AFB
- Seek mentoring contractors for assistance
- Talk to USACE
- Safety



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Questions!



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Fort Sill Area “Top 5”

1. Understand Installation/Stakeholder Requirements

- Installation Design Guide (IDG)
- Consultation – Section 106 (16 U.S.C. 470f) National Historic Preservation Act (NHPA)
 - State Historic Preservation Office (SHPO)
 - ❖ 60-90 days
 - ***Tribal Consultation – 3 Phases***
 - ❖ ***150 – 180 days***



Fort Sill Area “Top 5”

2. Be Responsive to Established Needs

➤ Resource Availability

- Established Subcontractor Pool / Teaming Agreements
- Early identification/involvement of Quality Control System Manager (CQSM) & supplemental staff

➤ Cost Proposals

- Submitted Timely
- Sufficiently Detailed – labor, equipment (owned/rented) & supervision + a fragnet to support any perceived time impact

➤ Meet Established Commitments

- Schedule Management w/ 2-week look aheads



Fort Sill Area “Top 5”

3. Contract Closeout Requirements

- O & M Manuals
 - Technical Submittals
 - Data Packages (Division 01 78 xx)
- Operational Training
- As-builts
- Warranty Plan
- ***DPW Priority #1***



Fort Sill Area “Top 5”

4. Re-establishment of Turf

➤ OK DEQ General Permit OKR10

- Notice of Intent (NOI)
- Pollution Prevention Plan (SWP3)
 - ❖ Best Mgt Practices
 - ❖ Record Keeping / Retention
- Final Stabilization - requires uniform (e.g., evenly distributed, w/o large bare areas) perennial vegetative cover with a ***density of 70% of the native background cover***
 - ❖ Take Photos **BEFORE** & AFTER
 - ❖ Considerations - Seed/Sod/Hydro-mulch/Water
- Notice of Termination (NOT)



Fort Sill Area “Top 5”

5. Early Problem Identification

- HVAC System Commissioning (Cx) Challenges
 - ***Problems identified too late to prevent adverse schedule impact.*** Potential contributors include:
 - ❖ Untimely selection/submittal of major equipment items
 - ❖ Major equipment components often procured from multiple manufacturers/vendors (e.g. not “Plug & Play”)
 - ❖ Absence of defined control modes over the full range of system operation (dead zones)
 - ❖ Operational sequences/integration points on equipment with packaged controls not fully defined/detailed
 - Integration of Dedicated Outside Air Units (DOAU’s) w/bldg DDC controls is especially problematic



Fort Sill Area “Top 5”

5. Early Problem Identification (Cont'd)

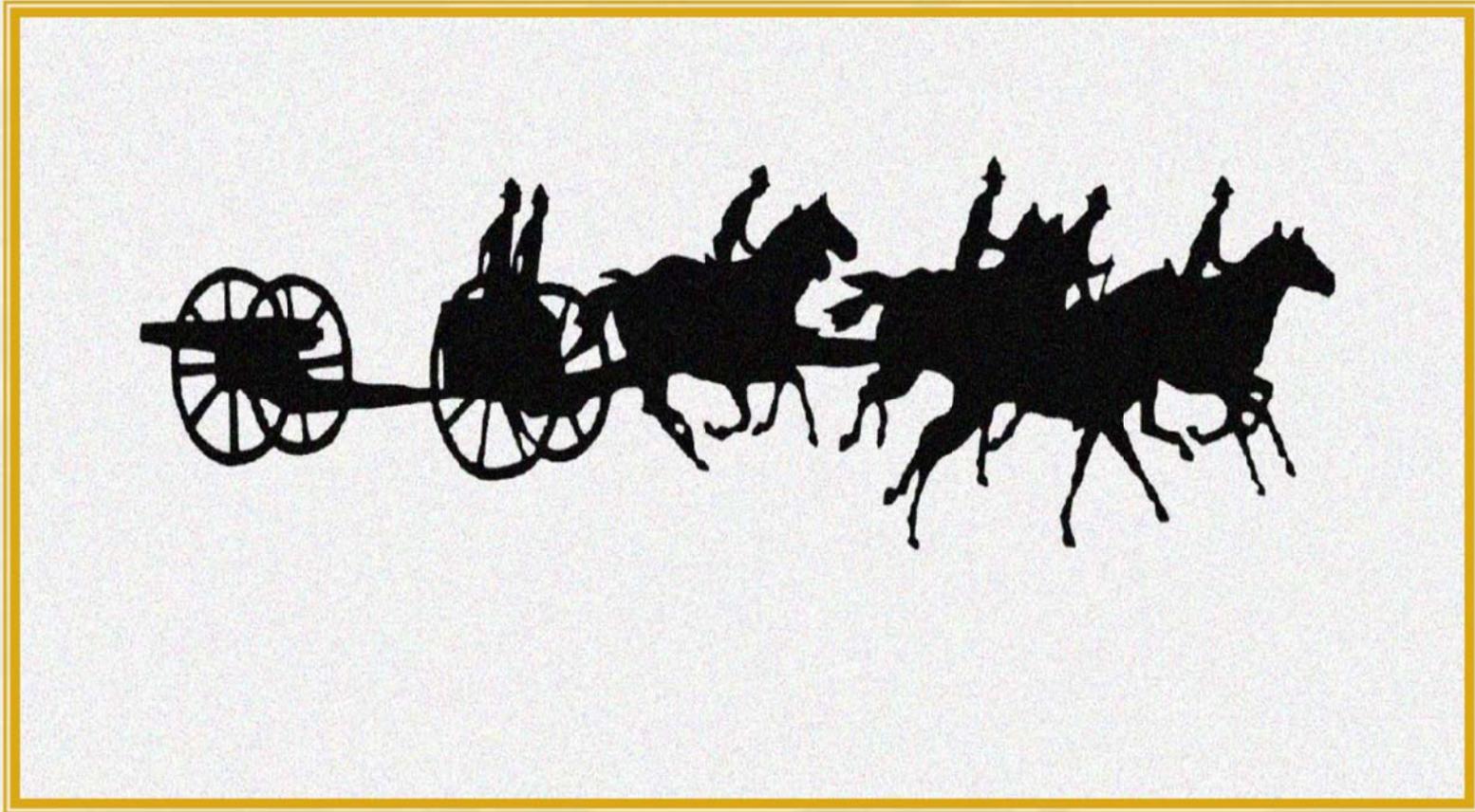
- Potential Mitigation Measures
 - Require earlier selection/submittal of all major equipment
 - Require sequence of operation “dry run” w/key stakeholders
 - Require overlay of psychrometric chart w/planned operational control modes and trigger points for design degree days to check for possible “dead” zones
 - Require a “Mechanical System Integrator”
- Your Thoughts?

Be Part of the Solution!



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Essayons!



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