

Wright-Patterson AFB Medical Center Renovation



US Army Corps
of Engineers®



Joint Venture

HKS/WS

Partnering Mission

We, the Med Center Renovation Team, are committed to work together safely and effectively to renovate the WPMC to meet the current and future “train, treat and teach” requirements of the 88th Medical Group and its patients. We will use industry best practices and stealth construction to meet the project objectives on schedule, within budget and with minimal disruption to the center’s mission of delivering world-class patient care.

Mark your calendars!

SAG Meeting
Thursday
March 6
1:00 p.m.

(Gov’t only 10:00)



The Medical Center Complex at Wright-Patterson Air Force Base is undergoing a major renovation.

Success!

Completion of Surgery Phase I and Shutdown Transition

Everyone appreciates a good plan; when the plan comes together, it is even better. The days leading up to December 6 may not have been the most relaxed of the project, but definitely some of the most productive, coordinated, and best examples of teamwork to date. While everything that could be done to complete Surgery Phase I was finishing, the Medical Group (MDG) was busy preparing for their move to the new space. Their planning included, in summary, “where on earth was all this medical equipment going to be stored?” Several meetings and discussions leading into the last days “pre-shutdown” unveiled the plan that would become the reality...finish the work, move the equipment, secure the area, and begin the shutdown. In parallel to the MDG’s preparedness plan, the Joint Venture was finalizing manpower, equipment, schedules, subcontractors, materials, and everything else that might be needed for an “Extreme Surgery Makeover.” Installing new equipment, moving re-use equipment, finishing punch lists, completing testing, and reporting those tests were only a small sampling of what was happening on the second floor.

The MDG’s ability to turn over the space as of December 5 was the first indication that the shutdown was off to a great start. The ability for the JV to begin the ICRA partitions, sever mechanical equipment, and prepare for the shutdown, even a half day early, truly did set the momentum for the next 15 days. Nearly 15,000 accident free man-hours were worked, primarily in surgery, from Dec. 6 through Dec. 21.

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A new Post-Anesthesia Care Unit (PACU) room was successfully completed as part of Phase I. At right, a sub-contractor places fire stopping materials into an existing wall as Phase II of the surgery shutdown gets underway.

January 2014



(Left to right) CMSgt Jonathan Shane, MDG Superintendent; Col. Brent Erickson, MDG Administrator; Col. Stephen Higgins, MDG Commander; and Col. Penelope Gorsuch, MDG Deputy Commander, participated in a ceremonial sledgehammer swing to kick-off the Phase II surgery demolition.

Practically every trade on the project had something to contribute to the shutdown. Demolition, framing, drywall, doors, ceilings, painting, flooring, plumbing, mechanical, electric, controls, and balancing all occurred in a little over two weeks. Even a new air handling unit was completed and another rebuilt. Working around the clock and two complete weekends, it is amazing to see the results of what really got accomplished...more than words can do justice. Not without conflicts, issues, and even last minute challenges, the entire team, including: MDG, HFO, Facilities, USACE, HKS, and the JV truly exhibited a teamwork driven result.

Water valves

Due to challenges with the age and design of the existing domestic water system, there have been numerous issues performing required water outages. The issues have impacted construction progress and user mission. The main department impacted by these outages has been MIU. A successful joint effort between all parties (contractor, HFO, 88th Med Group and USACE) was done to complete the remaining outages in a timely manner. It would not have worked without everyone coming together to execute the plan.

Multiple outages were organized, evaluated and executed in a timely

With a few items still to be addressed, the Phase I Operating Rooms and Post-Anesthesia Care Unit (PACU) were turned over to the MDG on December 21 for terminal cleaning and opened for business on December 24.

"We've received many compliments from surgeons and staff about the modern ORs," said Lt. Col. Tara Constantine, 88th Medical Group. "They're equipped with high-def capability and modern audiovisual equipment in all the rooms."

From the Project Delivery Team's perspective, the shutdown and transition was a success on all counts. The momentum established early in the shutdown allowed a lot of potentially disruptive demolition to occur while surgery was not operational and has



One of the operating rooms that was completed as part of Phase I of the surgery shutdown. The new operating rooms have high-def capability and modern audiovisual equipment.

manner to limit the impact on the third level MIU dept. Construction activities that needed to move forward on Level 2 Perinatal, Level 4 mental Health, and Level 5 Command were directly affected by the water system outages and work. Together with a revamped and coordinated plan, Nash Mechanical completed outages by late December, thus completing the West and most of South Wing. This was completed by accessing 2-4 rooms during a given outage on level 3 MIU, which is in between active construction floors. These rooms had hard ceilings removed above the restrooms which had to be reinstalled following the plumbing work, which amounted to

allowed Phase II to start off right with some very aggressive dates to meet in turning over the new women's locker room early and continuing with the phasing plans for a minimal disruption to the established functional plan. Work continues to progress at a rapid pace and there are still many items that need to be resolved.

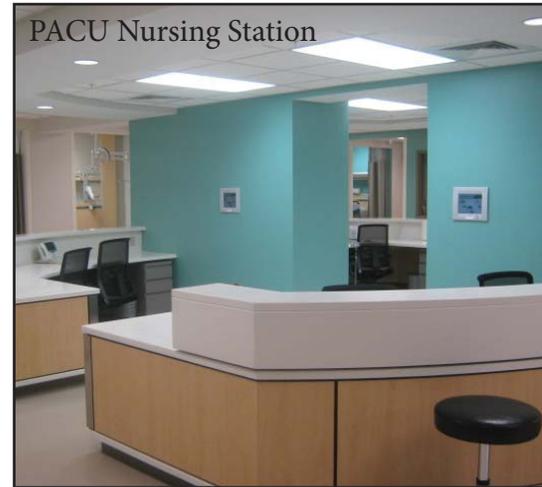
"It was a lot of hard work from everyone to solve the issues as they came up during the shutdown to be able to complete it on time," said Jeremy Cobb, USACE Resident Engineer.

Everyone is looking forward to a busy spring and summer and another success when Surgery Phase II is complete and merged with the first Phase.

about 5 working days on average. The impact to the MIU was minor due to the diligent efforts of installing excellent ICRA systems in these rooms, which were inspected and approved by the Med Group and USACE inspectors during these activities. USACE personnel worked along with the WBJV and Nash Mechanical to make field decisions in placement of multiple isolation valves, adding greater maintenance capabilities to the building, and allowing significant time savings to several of the outages. The remaining South Wing outages are finishing up the week of January 20, 2014 with similar results.

Dermatology Department

We just completed the last of three phases for the Dermatology Department and the user occupied the space on January 9, 2013. The three phases total over 4,700 square feet of renovated space. The phasing of the department allowed the user to stay in their location as we completed the renovation of the area.



PDT Member Spotlight

Mike Gabriel, Project Mechanical Engineer, Joint Venture

What is your primary role on the job?

Quality control and oversight of the HVAC systems and associated retrofit/renovations/replacements.

Recent project success?

Dec. 16 was the start to a very long and grueling week of mechanical systems testing and verification. The mechanical, TAB, BAS, Fire Alarm, Electrical, and Commissioning contractors (the team) worked tirelessly to complete a multitude of testing and verification on the mechanical equipment/systems serving the newly constructed Phase 1 Surgery area. Through all the stress, long hours, countless tests, and impossible schedules the team succeeded. By the end of Dec. 19 the team had completed all individual testing, with only some minor systems testing to finalize on Friday, essentially two days ahead of schedule. With Friday came a last minute design change requiring additional fabrication, construction and testing before the impending Dec. 22 turnover date. With the team onboard, the new design elements were constructed, tested, and verified in less than 24 hours of notification of the design change. Once again, the team overcame impossible odds to make it all happen, serving as a testament to the commitment of the team to provide the Corps, WPAFB Medical Center, and their patients a new, safe, and functional surgery suite.

What hobbies do you enjoy when you aren't on the jobsite?

Database and website design and programming

Anything else you would like to add?

Happily married, active in our church, three kids - 8 & 12 year old boys, 18 year old daughter in college

Safety Update

- Monthly Man Hours up. As of December 31, 2013: 315,924
- No Incidents to report
- Successful Shutdown/Transition for Surgery
- JV Safety personnel are requiring a more detailed THA (Task Hazard Analysis)
- Implemented a weekly Job Site Safety Inspection w COE, MC, and JV personnel



Mike Gabriel

Workplace safety is our #1 priority!

Safety Spot

**Safety by Choice,
Not by Chance**