



509th Civil Engineer Squadron



509 BW

Whiteman AFB Industry Day



**Lt Col Aaron Wilt
Commander**

**Mark Wheeler, PE
Engineer Flight Chief**

Whiteman AFB

131 BW



\$1.9M

509 BW



\$30M

442 FW



\$2.8M

1/135 Attack BN



20 RS



Construction Program

FY13 \$'s



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What Makes Us Unique...



Airfield



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- **Airfield Pavement – 1.5M SY**
 - **Runways – 275K SY**
 - **Taxiways – 268K SY**
 - **Aprons – 959K SY**
 - **Misc Pavements – 44K SY (paved overrun, etc.)**

... that's enough to pave a 4-lane freeway to the Kansas City Plaza or enough pavement layers to fill 75% of the Empire State Bldg by Vol.

Optimum annual mx/rpr cost is \$0.45/SF vice MODOT at \$0.42/SF



Dock Upgrades



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HVAC controls and Consolidated Air Upgrades; install VFD, explosion proof DDC controls, & remote monitoring

Replace Explosive Vapor and CO detectors, existing system is becoming obsolete



Repair 400Hz power System

Repair UV/IR Detection System

FY13, \$9.8M Investment



Facility Investment History



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Fiscal Year 2009 (\$M) 2010 (\$M) 2011 (\$M) 2012 (\$M) 2013 (\$M)

Airfield	4.0	1.2	4.1	2.3	6.9
ATFP	0.46	0.06	0.7	1.2	0.5
Commercial	18.1	20.5	5.1	18.8	7.2
Demo	0	1.3	0	0.5	0.06
Docks/Hangars	2.9	5.7	9.9	1.5	8.6
Dorms	3.1	3.8	3.9	1.0	0.04
Energy	0.5	17.9	2.1	1.0	1.9
Pavements	0.6	1.2	2.6	5.5	0.3
POL Tanks	.08	1.4	2.0	0.05	0
Quality of Life	.09	0	1.2	1.0	0.2
Utilities	3.9	2.5	5.5	3.8	6.7
WSA/MSA	1.3	5.8	2.5	5.8	1.9
Total	\$35.0	\$61.5	\$39.7	\$42.3	\$34.5

Where does the money go...



509 CES Contract Vehicles



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- **509 Contracting Squadron**

- **Indefinite Delivery, Indefinite Quantity (IDIQ)**

- **Contracts:**

- 2013 Values

- Roofing.....\$1.7M
 - Fencing (New).....\$0
 - Base Pavements.....\$682K
 - Airfield Pavements.....\$2.1M
 - Architect & Engineering, includes Title II.....\$2K

- **Simplified Acquisition of Base Engineering Requirements (SABER) Contract.....\$10.6M**

- Infinite Energy Construction (Expires June '15)

- **Kansas City Corps of Engineers (COE).....\$17.4M**

- Whiteman MATOC

- **Huntsville COE\$1.3M**

- **Air Force Civil Engineer Center.....\$0**



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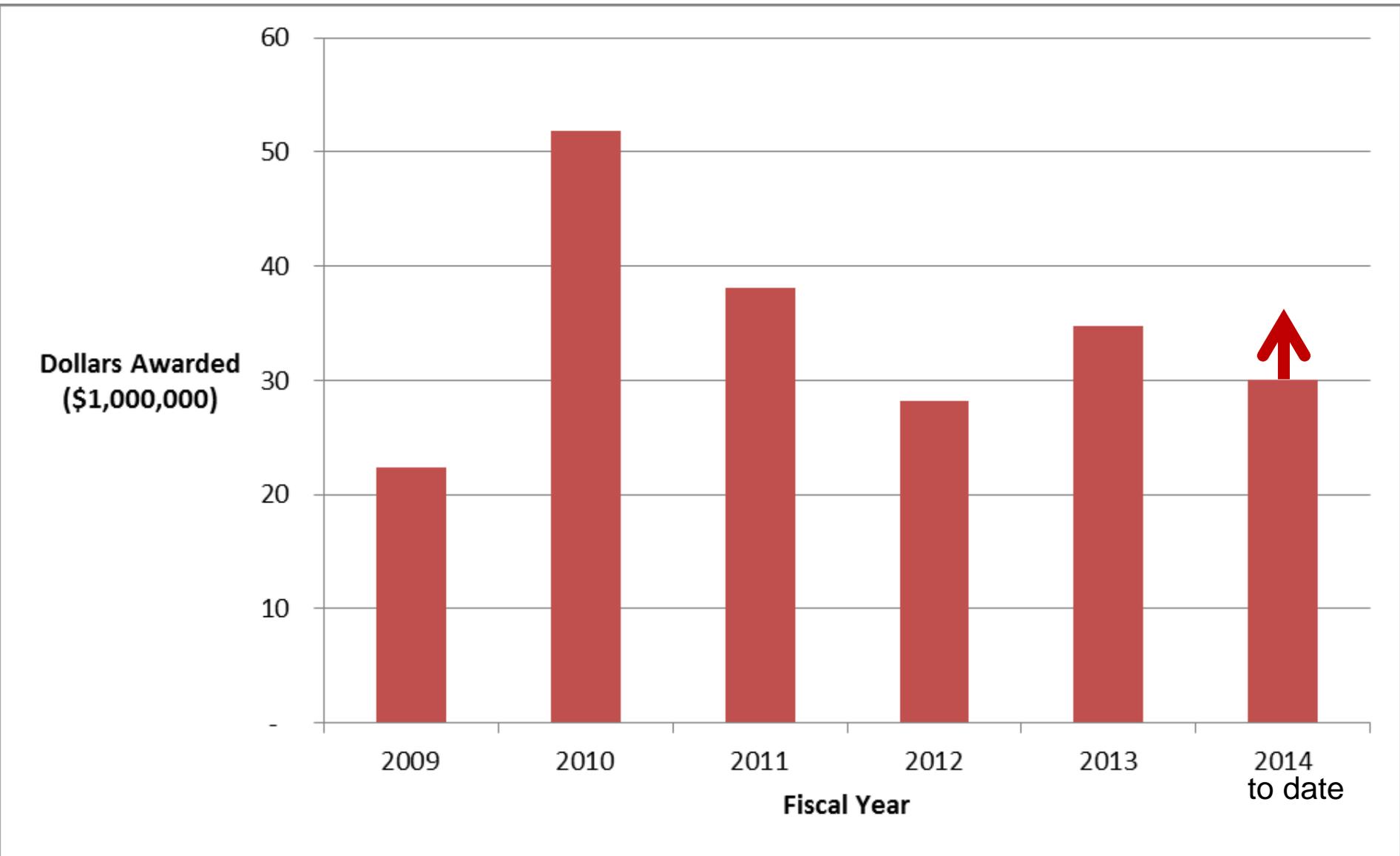
What is in the future...



Total O&M Dollars Awarded by Year



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Projected FY 15/16 Sustainment



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Project	Award Value	Contract Method
Repair WSA Integrated maintenance Facility HVAC, Lighting, and Plumbing	\$2M - \$3M	SATOC
Repair Cracked Slabs, Runway 19 First 1,000 ft	\$1.5M - \$2M	IDIQ
Repair UV/IR Detection System in B-2 Docks 7-14, LO Hangars	\$2M - \$3M	IFB
Repair WSA/MSA Area Drainage	\$2M - \$3M	IFB
Replace Potable Cast Iron/AC Pipes	\$250K - \$500K	SABER
Seal Joints on Airfield Taxiways	\$250K - \$500K	IDIQ



Design/Construction Focus Areas

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- **Sustainability**
 - Minimize future mx costs with reduced mx manpower
 - Energy reduction
 - Smarter facilities
- **Flexible Space's**
 - Build for today's requirement... with min impact for future changes
 - Minimize rigid wall construction
- **Minimize Bid/Construction Schedule**
 - Have projects ready to award earlier in FY
 - Reduce impact to end customer
 - Reduce construction management oversight

***Sustain Infrastructure with Reduced Resources
(Money & Manpower)***

QUESTIONS?

