### **VISN 18: SOUTHWEST Veterans Healthcare Network**

#### CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT

#### USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes		Medica	I Center			Ambulat	ory Care			Clinical Im	provements	
			Total Medium Light				Total	Medium	Light		Total	Medium	Light
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation
Albuquerque, NM	2,194.6	\$299	\$234	\$152	\$80	\$259	\$202	\$131	\$69	\$292	\$226	\$147	\$77
Amarillo, TX	1,873.8	\$256	\$200	\$130	\$68	\$221	\$173	\$112	\$59	\$249	\$193	\$125	\$66
Big Spring, TX	2,051.2	\$280	\$218	\$142	\$75	\$242	\$189	\$123	\$64	\$273	\$211	\$137	\$72
El Paso, TX	1,859.0	\$254	\$198	\$129	\$68	\$220	\$171	\$111	\$58	\$247	\$191	\$124	\$65
Mesa, AZ	2,354.8	\$321	\$251	\$163	\$86	\$278	\$217	\$141	\$74	\$313	\$242	\$158	\$83
Phoenix, AZ	2,354.8	\$321	\$251	\$163	\$86	\$278	\$217	\$141	\$74	\$313	\$242	\$158	\$83
Prescott, AZ	2,354.8	\$321	\$251	\$163	\$86	\$278	\$217	\$141	\$74	\$313	\$242	\$158	\$83
Tucson, AZ	2,278.2	\$311	\$243	\$158	\$83	\$269	\$210	\$136	\$72	\$303	\$235	\$152	\$80
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

#### NOTES:

Unit costs have been updated using the most current projects and VA/PACES, to reflect the dynamics of the delivery of healthcare

Cost shown are averages to be used for establishing an order of magnitude. Actual costs will vary depending on complexity and unique conditions of each project.

Costs shown are for building construction only. Additional costs to be considered include: Pre-Design allowance; escalation to contract award date; construction contingencies; technical services; impact costs; utility agreements; site improvements; site utilities; CM fees; and current local market conditions.

Costs are as of the time of BOECKH Index period shown. Adjust to latest available BOECKH Index. Multiply unit costs by the current BOECKH Index and divide by the index shown in table.

Allow additional funds for known adverse sub-surface conditions, seismic, and hurricane loading.

Allow additional funds for special construction requirements such as: phasing; unusual site constraints; tie-in to existing structure; shoring; vertical expansion.

Allow additional funds for compliance with VA Physical Security Standards and Sustainability Guidelines for 5' outdside of Building Envelope. Funds are included for Building Envelope.

Sitework and site utility costs will vary greatly for each project. Early identification of requirements is critical. For conceptual estimates on projects up to \$25M, 15% added building cost is a reasonable rule of thumb for sitework and site utilities. Factor may decrease to 10% for larger projects.

Ambulatory Care is considered a "9 to 5" soft clinic - few heavy labs, diagnostic areas, or beds. Functions consist of those found in exam rooms, minor surgery, small radiology suites, clinics, etc.

Clinical Improvements include intensive clinical space - diagnostics, labs, surgical suites. These represent the most expensive departments.

#### MARKET CONDITIONS:

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### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes		Bed Tower	Replacement			Domi	ciliary		9	Stand Alone O	utpatient Clini	с
			Total	Medium	Light		Total	Medium	Light		Total	Medium	Light
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation
Albuquerque, NM	2,194.6	\$309	\$247	\$161	\$84	\$179	\$123	\$80	\$42	\$247	\$190	\$124	\$65
Amarillo, TX	1,873.8	\$264	\$211	\$137	\$72	\$153	\$105	\$68	\$36	\$211	\$162	\$106	\$55
Big Spring, TX	2,051.2	\$289	\$231	\$150	\$79	\$167	\$115	\$75	\$39	\$231	\$178	\$116	\$61
El Paso, TX	1,859.0	\$262	\$210	\$136	\$72	\$152	\$104	\$68	\$36	\$210	\$161	\$105	\$55
Mesa, AZ	2,354.8	\$332	\$265	\$173	\$91	\$192	\$132	\$86	\$45	\$265	\$204	\$133	\$70
Phoenix, AZ	2,354.8	\$332	\$265	\$173	\$91	\$192	\$132	\$86	\$45	\$265	\$204	\$133	\$70
Prescott, AZ	2,354.8	\$332	\$265	\$173	\$91	\$192	\$132	\$86	\$45	\$265	\$204	\$133	\$70
Tucson, AZ	2,278.2	\$321	\$257	\$167	\$88	\$186	\$128	\$83	\$44	\$257	\$198	\$128	\$67
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

Unit costs have been updated using the most current projects and VA/PACES, to reflect the dynamics of the delivery of healthcare

Cost shown are averages to be used for establishing an order of magnitude. Actual costs will vary depending on complexity and unique conditions of each project.

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Costs are as of the time of BOECKH Index period shown. Adjust to latest available BOECKH Index. Multiply unit costs by the current BOECKH Index and divide by the index shown in table.

Allow additional funds for known adverse sub-surface conditions, seismic, and hurricane loading.

Allow additional funds for special construction requirements such as: phasing; unusual site constraints; tie-in to existing structure; shoring; vertical expansion.

Allow additional funds for compliance with VA Physical Security Standards and Sustainability Guidelines for 5' outdside of Building Envelope. Funds are included for Building Envelope.

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MARKET CONDITIONS:

The construction market is subject to rapid changes brought on by natural disasters and global events. Adjustments may be required, based on most current market surveys and industry reports.

### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes		Acute Ps	sychiatric			Mental	Health			Poly T	rauma	
			Total	Medium	Light		Total	Medium	Light		Total	Medium	Light
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation
Albuquerque, NM	2,194.6	\$307	\$245	\$159	\$84	\$254	\$198	\$129	\$67	\$293	\$231	\$150	\$79
Amarillo, TX	1,873.8	\$262	\$209	\$136	\$71	\$217	\$169	\$110	\$58	\$250	\$197	\$128	\$67
Big Spring, TX	2,051.2	\$287	\$229	\$149	\$78	\$237	\$185	\$120	\$63	\$273	\$216	\$140	\$74
El Paso, TX	1,859.0	\$260	\$208	\$135	\$71	\$215	\$168	\$109	\$57	\$248	\$195	\$127	\$67
Mesa, AZ	2,354.8	\$330	\$263	\$171	\$90	\$272	\$212	\$138	\$72	\$314	\$247	\$161	\$84
Phoenix, AZ	2,354.8	\$330	\$263	\$171	\$90	\$272	\$212	\$138	\$72	\$314	\$247	\$161	\$84
Prescott, AZ	2,354.8	\$330	\$263	\$171	\$90	\$272	\$212	\$138	\$72	\$314	\$247	\$161	\$84
Tucson, AZ	2,278.2	\$319	\$255	\$165	\$87	\$264	\$205	\$133	\$70	\$304	\$239	\$156	\$82
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

Unit costs have been updated using the most current projects and VA/PACES, to reflect the dynamics of the delivery of healthcare

Cost shown are averages to be used for establishing an order of magnitude. Actual costs will vary depending on complexity and unique conditions of each project.

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Costs are as of the time of BOECKH Index period shown. Adjust to latest available BOECKH Index. Multiply unit costs by the current BOECKH Index and divide by the index shown in table.

Allow additional funds for known adverse sub-surface conditions, seismic, and hurricane loading.

Allow additional funds for special construction requirements such as: phasing; unusual site constraints; tie-in to existing structure; shoring; vertical expansion.

Allow additional funds for compliance with VA Physical Security Standards and Sustainability Guidelines for 5' outdside of Building Envelope. Funds are included for Building Envelope.

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MARKET CONDITIONS:

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PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes		Spinal Cord	Injury (SCI)		Nu	irsing Home C	are Unit (NHC	CU)		Blind Reh	nabilitation	
			Total Medium Light				Total	Medium	Light		Total	Medium	Light
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation
Albuquerque, NM	2,194.6	\$267	\$217	\$141	\$74	\$245	\$195	\$127	\$66	\$266	\$203	\$132	\$69
Amarillo, TX	1,873.8	\$228	\$185	\$120	\$63	\$209	\$166	\$108	\$57	\$227	\$173	\$113	\$59
Big Spring, TX	2,051.2	\$250	\$203	\$132	\$69	\$229	\$182	\$118	\$62	\$248	\$190	\$123	\$65
El Paso, TX	1,859.0	\$226	\$184	\$120	\$63	\$208	\$165	\$107	\$56	\$225	\$172	\$112	\$59
Mesa, AZ	2,354.8	\$287	\$233	\$151	\$79	\$263	\$209	\$136	\$71	\$285	\$218	\$141	\$74
Phoenix, AZ	2,354.8	\$287	\$233	\$151	\$79	\$263	\$209	\$136	\$71	\$285	\$218	\$141	\$74
Prescott, AZ	2,354.8	\$287	\$233	\$151	\$79	\$263	\$209	\$136	\$71	\$285	\$218	\$141	\$74
Tucson, AZ	2,278.2	\$277	\$225	\$146	\$77	\$254	\$202	\$131	\$69	\$276	\$210	\$137	\$72
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

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### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes	Rese	arch - Heavy;	Wetlabs & An	nimals		Surgery a	Ind PACU		Rese	arch - Normal;	Mix Heavy &	Offices
			Total	Medium	Light		Total	Medium	Light		Total	Medium	Light
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation
Albuquerque, NM	2,194.6	\$464	\$394	\$256	\$135	\$411	\$337	\$219	\$115	\$335	\$284	\$185	\$97
Amarillo, TX	1,873.8	\$396	\$337	\$219	\$115	\$351	\$288	\$187	\$98	\$286	\$242	\$158	\$83
Big Spring, TX	2,051.2	\$434	\$368	\$240	\$126	\$384	\$315	\$205	\$107	\$313	\$265	\$173	\$91
El Paso, TX	1,859.0	\$393	\$334	\$217	\$114	\$348	\$285	\$185	\$97	\$284	\$241	\$156	\$82
Mesa, AZ	2,354.8	\$498	\$423	\$275	\$144	\$441	\$361	\$235	\$123	\$359	\$305	\$198	\$104
Phoenix, AZ	2,354.8	\$498	\$423	\$275	\$144	\$441	\$361	\$235	\$123	\$359	\$305	\$198	\$104
Prescott, AZ	2,354.8	\$498	\$423	\$275	\$144	\$441	\$361	\$235	\$123	\$359	\$305	\$198	\$104
Tucson, AZ	2,278.2	\$482	\$409	\$266	\$140	\$427	\$350	\$227	\$119	\$348	\$295	\$192	\$101
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

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MARKET CONDITIONS:

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### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes	Administr	ation Space; I	loused in Mai	n Hospital		Parking	Garage		Surface	Parking - Pric	ed Per Parkin	g Space
			Total	Medium	Light		Total	Medium	Light				
		New	Renovation	Renovation	Renovation	New	Renovation	Renovation	Renovation	New Space			
Albuquerque, NM	2,194.6	\$189	\$148	\$96	\$50	\$44	\$19	\$13	\$7	\$2,455	\$0	\$0	\$0
Amarillo, TX	1,873.8	\$161	\$126	\$82	\$43	\$37	\$17	\$11	\$6	\$2,096	\$0	\$0	\$0
Big Spring, TX	2,051.2	\$176	\$138	\$90	\$47	\$41	\$18	\$12	\$6	\$2,295	\$0	\$0	\$0
El Paso, TX	1,859.0	\$160	\$125	\$81	\$43	\$37	\$16	\$11	\$6	\$2,080	\$0	\$0	\$0
Mesa, AZ	2,354.8	\$203	\$158	\$103	\$54	\$47	\$21	\$14	\$7	\$2,634	\$0	\$0	\$0
Phoenix, AZ	2,354.8	\$203	\$158	\$103	\$54	\$47	\$21	\$14	\$7	\$2,634	\$0	\$0	\$0
Prescott, AZ	2,354.8	\$203	\$158	\$103	\$54	\$47	\$21	\$14	\$7	\$2,634	\$0	\$0	\$0
Tucson, AZ	2,278.2	\$196	\$153	\$100	\$52	\$45	\$20	\$13	\$7	\$2,549	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

NOTES:

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Parking garage costs are for above grade parking. Allow additional funds for any levels below grade.

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PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh												
Location	Indexes		Warehouse	es -/ Offices									
			Total Medium Light										
		New	Renovation	Renovation	Renovation								
Albuquerque, NM	2,194.6	\$147	\$106	\$69	\$36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amarillo, TX	1,873.8	\$126	\$91	\$59	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Big Spring, TX	2,051.2	\$138	\$99	\$65	\$34	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
El Paso, TX	1,859.0	\$125	\$90	\$59	\$31	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mesa, AZ	2,354.8	\$158	\$114	\$74	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Phoenix, AZ	2,354.8	\$158	\$114	\$74	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prescott, AZ	2,354.8	\$158	\$114	\$74	\$39	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Tucson, AZ	2,278.2	\$153	\$110	\$72	\$38	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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### **VISN 18: SOUTHWEST Veterans Healthcare Network**

#### CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT

#### **USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING**

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

Location	Boeckh Indexes	Demol	ition Cost for	an Existing B	Building	Leased Space	e - Need To	Provide Spec	ific Build-Ou					
						Yearly Rate				"Full"		Stand Alone		
		Demolition	Haul &			Per Square				Operational	Mothball	Mothball		
		Cost Only	Dump			Foot				Costs	Costs	Costs		
Albuquerque, NM	2,194.6	\$7.94	\$9.01	\$0.00	\$0.00	\$28.25	\$0.00	\$0.00	\$0.00	\$17.49	\$10.21	\$4.70	\$0.00	
Amarillo, TX	1,873.8	\$6.78	\$7.70	\$0.00	\$0.00	\$24.12	\$0.00	\$0.00	\$0.00	\$14.93	\$8.71	\$4.01	\$0.00	
Big Spring, TX	2,051.2	\$7.42	\$8.42	\$0.00	\$0.00	\$26.40	\$0.00	\$0.00	\$0.00	\$16.35	\$9.54	\$4.39	\$0.00	
El Paso, TX	1,859.0	\$6.73	\$7.63	\$0.00	\$0.00	\$23.93	\$0.00	\$0.00	\$0.00	\$14.81	\$8.65	\$3.98	\$0.00	
Mesa, AZ	2,354.8	\$8.52	\$9.67	\$0.00	\$0.00	\$30.31	\$0.00	\$0.00	\$0.00	\$18.77	\$10.95	\$5.04	\$0.00	
Phoenix, AZ	2,354.8	\$8.52	\$9.67	\$0.00	\$0.00	\$30.31	\$0.00	\$0.00	\$0.00	\$18.77	\$10.95	\$5.04	\$0.00	
Prescott, AZ	2,354.8	\$8.52	\$9.67	\$0.00	\$0.00	\$30.31	\$0.00	\$0.00	\$0.00	\$18.77	\$10.95	\$5.04	\$0.00	
Tucson, AZ	2,278.2	\$8.24	\$9.36	\$0.00	\$0.00	\$29.32	\$0.00	\$0.00	\$0.00	\$18.16	\$10.59	\$4.87	\$0.00	
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

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Costs are as of the time of BOECKH Index period shown. Adjust to latest available BOECKH Index. Multiply unit costs by the current BOECKH Index and divide by the index shown in table.

"Demolition Costs Only" is based on razing the entire structure and disposing of the waste material on-site. Haul & Dump is not included. Hazardous material abatement is not included.

"Haul & Dump" includes cost for a 20 mile haul and the appropriate dump fees for construction materials. Disposal of hazardous materials is not included. Additional funds should be included for known adverse conditions, length of haul, inflated dump fees, closed dump and refuge facilities

To calculate savings for mothballed structures, subtract which type of "Mothballing" is being utilized (Adjacent or Stand Alone) from the "Full" Operating Costs. The "Full" Operating Costs include: Electric, water, gas, sewage, major systems maintenance, building shell maintenance, janitorial, and security

Based on the type of "Mothballing" to be used, percentages have been utilized to account for maintaining the integrity of the building envelope, maintaining non-freezing conditions for sprinklers & utilities, maintenance, security, and ensuring JHCO compliance

Leasing yearly rates only includes: land, site improvements, building shell, taxes, utilities, insurance, shell and outside maintenance -Similar to a sole occupacy of a "Spec" building - HOUSEKEEPING COSTS ARE NOT INCLUDED - Assumes normal operating days and hours - NOT 24/7 Lease cost does not include initial build out (tenant improvement) of space for the specific function. To calculate build out cost, use "Total Renovation" cost for the specific building type.

MARKET CONDITIONS:

The construction market is subject to rapid changes brought on by natural disasters and global events. Adjustments may be required, based on most current market surveys and industry reports.

### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

Location	Boeckh Indexes		Roof Rep	lacement		Mode	ernize Restroo	ms for UFAS/	ADA	Fire Alarms				
		EDPM	Built Up	Shingles	Metal	Total Renovation				New	Total Renovation			
Albuquerque, NM	2,194.6	\$7.59	\$7.25	\$4.65	\$6.11	\$189.56	\$0.00	\$0.00	\$0.00	\$6.53	\$7.67	\$0.00	\$0.00	
Amarillo, TX	1,873.8	\$6.48	\$6.19	\$3.97	\$5.22	\$161.85	\$0.00	\$0.00	\$0.00	\$5.57	\$6.55	\$0.00	\$0.00	
Big Spring, TX	2,051.2	\$7.10	\$6.77	\$4.35	\$5.72	\$177.17	\$0.00	\$0.00	\$0.00	\$6.10	\$7.17	\$0.00	\$0.00	
El Paso, TX	1,859.0	\$6.43	\$6.14	\$3.94	\$5.18	\$160.57	\$0.00	\$0.00	\$0.00	\$5.53	\$6.50	\$0.00	\$0.00	
Mesa, AZ	2,354.8	\$8.15	\$7.78	\$4.99	\$6.56	\$203.40	\$0.00	\$0.00	\$0.00	\$7.00	\$8.23	\$0.00	\$0.00	
Phoenix, AZ	2,354.8	\$8.15	\$7.78	\$4.99	\$6.56	\$203.40	\$0.00	\$0.00	\$0.00	\$7.00	\$8.23	\$0.00	\$0.00	
Prescott, AZ	2,354.8	\$8.15	\$7.78	\$4.99	\$6.56	\$203.40	\$0.00	\$0.00	\$0.00	\$7.00	\$8.23	\$0.00	\$0.00	
Tucson, AZ	2,278.2	\$7.88	\$7.52	\$4.83	\$6.35	\$196.78	\$0.00	\$0.00	\$0.00	\$6.77	\$7.97	\$0.00	\$0.00	
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	

NOTES:

Unit costs have been updated using the most current projects and VA/PACES, to reflect the dynamics of the delivery of healthcare

Cost shown are averages to be used for establishing an order of magnitude. Actual costs will vary depending on complexity and unique conditions of each project.

Costs shown are for building construction only. Additional costs to be considered include: Pre-Design allowance; escalation to contract award date; construction contingencies; technical services; impact costs; utility agreements; site improvements; site utilities; CM fees; and current local market conditions.

Costs are as of the time of BOECKH Index period shown. Adjust to latest available BOECKH Index. Multiply unit costs by the current BOECKH Index and divide by the index shown in table.

Roof replacement costs do not include asbestos removal or disposal. Verify presence of asbestos in existing roof and include additional funds as necessary.

MARKET CONDITIONS:

The construction market is subject to rapid changes brought on by natural disasters and global events. Adjustments may be required, based on most current market surveys and industry reports.

### VISN 18: SOUTHWEST Veterans Healthcare Network CURRENT BUILDING ONLY CONSTRUCTION UNIT COST PER SQUARE FOOT USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1B) Date Prepared: July 15, 2008

Index Basis: Boeckh Index = MAY-JUN 2008

Location	Boeckh Indexes		Escalatio	on Rates			Escalatio	on Rates		Escalation Rates			
		2009	2010	2011	2012	2013	2014	2015	2016				
Albuquerque, NM	2,194.6	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Amarillo, TX	1,873.8	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Big Spring, TX	2,051.2	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
El Paso, TX	1,859.0	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Mesa, AZ	2,354.8	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Phoenix, AZ	2,354.8	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Prescott, AZ	2,354.8	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				
Tucson, AZ	2,278.2	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%				

NOTES:

Escalation rates sheet has been updated on January 7, 2009 per current market/economic conditions.

When using the above Escalation Rates over a number of years. These will need to be compounded to show true escalation.

MARKET CONDITIONS:

The construction market is subject to rapid changes brought on by natural disasters and global events. Adjustments may be required, based on most current market surveys and industry reports.

## VISN 18: SOUTHWEST Veterans Healthcare Network RELATIVE COST FACTOR COMPARISIONS BETWEEN VAMCs

USE FOR STRATEGIC PLANNING PURPOSES ONLY - NOT FOR BUDGETING

PREPARED BY: Office of Construction & Facilities Management Cost Estimating & A/E Evaluation Service (00CFM1I Date Prepared: July 15, 2008 Index Basis: Boeckh Index = MAY-JUN 2008

	Boeckh		
Location	Indexes	Cost Factor	EXPLANATION
Albuquerque, NM	2,194.6	0.91	Example: Phoenix, AZ is 1.27 higher than El Paso, TX.
Amarillo, TX	1,873.8	0.78	To calculate, use Phoenix, AZ's factor of 0.98
Big Spring, TX	2,051.2	0.85	and divide El Paso, TX's factor of 0.77 into it.
El Paso, TX	1,859.0	0.77	That is 0.98/0.77 = 1.27.
Mesa, AZ	2,354.8	0.98	If one dollar (\$1.00) was spent in El Paso, TX
Phoenix, AZ	2,354.8	0.98	then to get the equivalent building in Phoenix, AZ
Prescott, AZ	2,354.8	0.98	one dollar and twenty-seven cents (\$1.27) would be required.
Tucson, AZ	2,278.2	0.95	
		0.00	Example: Amarillo, TX is 0.80 of Prescott, AZ.
		0.00	This is calculated by dividing Amarillo, TX's cost factor of 0.78
		0.00	by Prescott, AZ's cost factor of 0.98 or 0.78/0.98 = 0.80.
		0.00	That means that for every dollar (\$1.00) spent in Prescott, AZ
		0.00	it would cost eighty cents (\$ 0.80)
		0.00	for an equivalent building in Amarillo, TX.
		0.00	
		0.00	These relative cost factors are based on
		0.00	the Boeckh Indexes for MAY-JUN 2008,
		0.00	and are useful to obtain quick rough ideas of
		0.00	probable costs relative from one city to another.
		0.00	
		0.00	REMINDER: Each project is unique.
		0.00	This document - for strategic planning only

In addition, local economic market conditions can significantly impact costs.