

NOVEMBER 2015

PROJECTS STATUS REPORT
PLANNING AND CONSTRUCTION SERVICES

 **ADOA-GSD**
100 N. 15th Ave., Suite 202, Phoenix, Arizona 85007

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EXECUTIVE SUMMARY

Administration, Department of (ADOA)

Project №	Project Description (Location)	Project Manager	Target Completion
8410	ADOA Security System Replacement Assessment and Design (Capitol Mall, Phoenix)	John Webster	4/1/2016
8430	Central Plant Repair-Replacement: Corporation Commission-Attorney General (1200-1275 W. Washington, Phoenix)	William Anderson	6/25/2016
8630TL16	Lighting Control System Replacement (400 W. Congress, Tucson)	William Anderson	11/14/2015
8633TL23	HVAC Assessment/Repair/Replace (Executive Tower, Phoenix)	William Anderson	6/10/2016
8709TL10D	Fire Alarm Replacement (Capitol Mall-House of Representatives, Phoenix)	Janet Collegio	6/30/2016
8709TL10E	Fire Alarm Replacement (Capitol Mall-Senate Bldg., Phoenix)	Janet Collegio	6/30/2016
8715	Repair Sealant Around Windows (Capitol Mall - 6 Buildings, Phoenix)	Alvin Spencer	
8720B	Elevator Modernization (1300 W. Washington, Phoenix)	John Webster	12/11/2015
8720C	Elevator Modernization (2910 N. 44th Street, Phoenix)	John Webster	6/15/2016
8725TL17	ATS Replacement (State Data Center, 1510 W. Adams, Phoenix)	Armando Milheiro	4/30/2016
BR1600502X	HVAC and Bldg. Upgrades (1740 W. Adams, Phoenix)	Mike MacDonald	8/31/2016
BR61500730	HVAC and Bldg. Upgrades (1400 W. Washington, Phoenix)	Mike MacDonald	6/13/2016
BR61400605	Roof Repair-Replacement: Carnegie Library (1101 W. Washington, Phoenix)	Mike MacDonald	1/31/2016
BR60100601/02	Roof Repair-Replacement: Arizona State Legislature (1700 W. Washington)	Mike MacDonald	1/15/2016
BR61501200	Parking Garage Structural Repairs (15 S. 15th Avenue, Phoenix)	Mike MacDonald	11/13/2015

Arizona School for the Deaf and Blind (ASDB)

Project №	Project Description (Location)	Project Manager	Target Completion
8954TL4C	New Fire Alarm Replacement System - Pima Dormitory	Janet Collegio	8/3/2016

Corrections, Department of (ADC)

Project №	Project Description (Location)	Project Manager	Target Completion
5507	Drill New Potable Well #6 (ASPC Lewis Complex, Buckeye)	John Webster	12/31/2015

Emergency and Military Affairs, Department of (DEMA)

Project №	Project Description (Location)	Project Manager	Target Completion
	Fire Alarm and Sprinkler Replacement (Prescott Armory, Prescott)	John Webster	2/19/2016
	Fire Alarm and Sprinkler Replacement (Casa Grande Armory, Casa Grande)	John Webster	2/19/2016

Economic Security, Department of (DES)

Project №	Project Description (Location)	Project Manager	Target Completion
8662	Fire Alarm Replacement – Underground (Arizona Training Program, Coolidge)	Armando Milheiro	2/26/16

Health Services, Department of (ADHS)

Project №	Project Description (Location)	Project Manager	Target Completion
8335TL.1	Fire/Smoke Dampers Replacement (Arizona State Hospital, 2500 E. Van Buren Street, Phoenix)	Armando Milheiro	3/30/2016
8336	Chiller Replacement (Arizona State Hospital, 2500 E. Van Buren Street, Phoenix)	Armando Milheiro	9/30/2015
8337	Boiler Replacement (Arizona State Hospital, 2500 E. Van Buren Street, Phoenix)	Armando Milheiro	
8332TL.1	New Fire Alarm Replacement System (Arizona State Hospital, 2500 E. Van Buren Street, Phoenix)	Janet Collegio	12/30/2016

Juvenile Corrections, Department of (ADJC)

Project №	Project Description (Location)	Project Manager	Target Completion
4045TL.1	New Access Controls and Locks (Adobe Mountain Schools, 2800 W. Pinnacle Peak Road, Phoenix)	Armando Milheiro	TBD
4046	Plumbing Chase Replacement (Adobe Mountain Schools, 2800 W. Pinnacle Peak Road, Phoenix)	Armando Milheiro	5/31/2016
4046TL.1	Fire Suppression System Replacement (Adobe Mountain Schools, 2800 W. Pinnacle Peak Road, Phoenix)	Armando Milheiro	TBD
4047	Fire Suppression System Upgrades (Adobe Mountain Schools, 2800 W. Pinnacle Peak Road, Phoenix)	Armando Milheiro	3/30/16

Public Safety, Department of (DPS)

Project №	Project Description (Location)	Project Manager	Target Completion
9508	Roof Replacement (DPS Phoenix Fleet Building, 2102 W. Encanto Boulevard, Phoenix)	William Anderson	

Transportation, Department of (ADOT)

Project №	Project Description (Location)	Project Manager	Target Completion
	HVAC System Replacement (Facilities Equipment Shop 2080, Globe)	Alvin Spencer	
	Interior and Exterior Paint (Tucson East MVD, Tucson)	Alvin Spencer	
	Roof Replacement (Coolidge MVD, Coolidge)	Alvin Spencer	
	Roof Replacement (Many Farms Storage Building, Many Farms)	Alvin Spencer	
	Overhang Soffit Replacement (Port of Entry B-8, Yuma)	Alvin Spencer	
	HVAC Systems Replacement (Port of Entry, San Simon)	Alvin Spencer	
	Energy-Efficient Roof Coatings (North Phoenix Landscape Offices, Phoenix)	Alvin Spencer	
	Energy-Efficient Roof Coatings (Happy Valley Construction Offices, Phoenix)	Alvin Spencer	
	Building Exterior Repairs (Yuma Maintenance Yard, Yuma)	Alvin Spencer	

Veterans' Services, Department of (ADVS)

Project №	Project Description (Location)	Project Manager	Target Completion
9009	New Construction (Arizona Veterans' Memorial Cemetery, Camp Navajo)	Jeff Pugh	2/20/2016
9011	New Construction (Arizona Veterans' Memorial Cemetery, Marana)	Jeff Pugh	1/25/2016

Arizona Health Care Cost Containment System (AHCCCS)

Project №	Project Description (Location)	Project Manager	Target Completion
8440	EMS Upgrades (701 and 801 E. Jefferson Street, Phoenix)	William Anderson	3/16/2016

Arizona Historical Society Museum (AHS)

Project №	Project Description (Location)	Project Manager	Target Completion
8647TL3	EMS Upgrades (1300 N. College Avenue, Tempe)	William Anderson	1/30/2016
9702	EMS Upgrades (949 E. 2 nd Street, Tucson)	William Anderson	12/1/2015
BR61501700	Roof Replacement (949 E. 2 nd Street, Tucson)	Mike MacDonald	4/15/2016

Pioneers' Home

Project №	Project Description (Location)	Project Manager	Target Completion
BR1600700	Evaporative Cooler Replacement (300 S. McCormick Street, Prescott)	Mike MacDonald	12/15/2015

Prescott Historical Society (PHS)

Project №	Project Description (Location)	Project Manager	Target Completion
BR16101200	Brick Repair and Re-Sealing (415 W. Gurley Street, Prescott)	Mike MacDonald	12/30/15

ACTIVE PROJECTS

ADOA Security System Replacement Assessment and Design (ADOA)

Capitol Mall, Phoenix

Project Details

Project Manager	Webster, John
Project №	8410
Statutory Review №	CG-13-09
Architect/Engineer	Arrington Watkins Architects, LLC
Contractor(s)	Sun Eagle Corporation
Budget	3850000
Budget Source	Building Renewal BR615019-00

Project Timeline

Date Funded	11/30/2014
Construction Documents	9/1/2014
Project Bid	
Notice to Proceed	12/22/2014
Substantial Completion	3/15/2016
Target Completion	4/1/2016

Project Description

A.R.S. 41-791 directs ADOA's responsibility for security of its 73 buildings. ADOA's current electronic command and control security system, which controls facility badge access and monitors alarms of a variety of types, is over 25-years old, obsolete, in chronic repair-mode, unsupported by current technology, and does not meet ADOA's current needs. ADOA has procured the services of Construction-Manager-at-Risk (CMAR) that will serve as the general contractor throughout construction, and assume the risk of delivering the project through a fixed lump sum or Guaranteed Maximum Price (GMP) contract. This \$3.85 million project will replace the existing access control system ("brain"); select and issue new access control cards; and integrate the new system with HRIS. The fundamental framework of the new card access system will facilitate future expansion of the system and integration of additional building components as funding becomes available.

Project Status

- ❖ Meetings are being held weekly to discuss progress, issues and to coordinate the present data base into the new Lenel data base.
- ❖ Hard construction started July 6, 2015. Presently working in Phase 9 which includes the Executive Tower and surrounding buildings. There are 15 phases.

Central Plant Repair-Replacement: Corporation Commission-Attorney General (ADOA)

1200-1275 W. Washington, Phoenix

Project Details

Project Manager	Anderson, William
Project №	8430
Statutory Review №	CG-15-11
Architect/Engineer	LSW Engineers Arizona ,Inc.
Contractor(s)	TBD
Budget	200000
Budget Source	Building Renewal BR615007-02

Project Timeline

Date Funded	4/28/2015
Construction Documents	2/4/2016
Project Bid	3/17/2016
Notice to Proceed	3/19/2016
Substantial Completion	6/11/2016
Target Completion	6/25/2016

Project Description

Provide Construction Administration and Project Management for the repair / replacement of the Central Plant and related equipment for the Corporation Commission and Attorney General buildings to allow for the reliable and efficient operation of the facilities.

Project Status

- ❖ The Life Cycle Cost Analysis is approved.
- ❖ LSW is proceeding with the Construction Documents.

Lighting Control System Replacement (ADOA)

400 W. Congress, Tucson

Project Details

Project Manager	Anderson, William
Project №	8630TI.16
Statutory Review №	
Architect/Engineer	
Contractor(s)	CCI Automated Technology
Budget	55000
Budget Source	Building Renewal BR1601004

Project Timeline

Date Funded	7/27/2015
Construction Documents	
Project Bid	
Notice to Proceed	
Substantial Completion	11/7/2015
Target Completion	11/14/2015

Project Description

Replace the obsolete lighting controls and add to the Tucson Complex EMS.

Project Status

- ❖ This project is complete. This will be the last time this project is displayed.

HVAC Assessment/Repair/Replace (ADOA)

Executive Tower, Phoenix

Project Details

Project Manager	Anderson, William
Project №	8633TI.23
Statutory Review №	CG-15-22
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	TBD
Budget	200000
Budget Source	Building Renewal BR1600501X

Project Timeline

Date Funded	7/27/2015
Construction Documents	1/20/2016
Project Bid	3/2/2016
Notice to Proceed	3/4/2016
Substantial Completion	5/27/2016
Target Completion	6/10/2016

Project Description

Obtain a Condition Assessment of the Mechanical System serving the Exec Tower complex at 1700 W Washington and implement the recommended changes.

Project Status

- ❖ The Life Cycle Cost Analysis is approved. A DCN is in process for B & P to prepare the Construction Documents for the implementation of the recommended changes.

Fire Alarm Replacement (ADOA)

Capitol Mall-House of Representatives, Phoenix

Project Details

Project Manager	Collegio, Janet
Project №	8709TI.10D
Statutory Review №	CG-11-03 (TI.10)
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	Firetrol Protection Systems
Budget	182833
Budget Source	Building Renewal BR61400107

Project Timeline

Date Funded	6/19/2015
Construction Documents	4/14/2015
Project Bid	5/20/2015
Notice to Proceed	12/7/2015
Substantial Completion	6/7/2016
Target Completion	6/30/2016

Project Description

Engineer is to design a new fire alarm replacement system and provide construction administration services for the Senate Building and the House of Representatives.

Project Status

- ❖ The State Procurement Office has issued a contract to Firetrol Protection Systems to provide all labor, material and equipment for the installation of a new fire alarm replacement system in the House of Representatives.
- ❖ Preconstruction/Kick-off Meeting for the House of Representatives will take place once the Senate building fire alarm replacement system install has been completed.

Fire Alarm Replacement (ADOA)

Capitol Mall-Senate Bldg., Phoenix

Project Details

Project Manager	Collegio, Janet
Project №	8709TI.10E
Statutory Review №	CG-11-03 (TI.10)
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	Firetrol Protection Systems
Budget	175038
Budget Source	Building Renewal BR61400108

Project Timeline

Date Funded	6/19/2015
Construction Documents	4/14/2015
Project Bid	5/20/2015
Notice to Proceed	7/7/2015
Substantial Completion	12/31/2015
Target Completion	6/30/2016

Project Description

Engineer is to design a new fire alarm replacement system and provide construction administration services for the Senate Building and the House of Representatives.

Project Status

- ❖ Firetrol is 75% complete with the programming of the fire alarm control panel at this time.

Repair Sealant Around Windows (ADOA)

Capitol Mall, Six buildings, Phoenix

Project Details

Project Manager	Spencer, Alvin
Project №	8715
Statutory Review №	
Architect/Engineer	
Contractor(s)	
Budget	150000
Budget Source	Building Renewal BR6150220

Project Timeline

Date Funded	10/21/2015
Construction Documents	
Project Bid	
Notice to Proceed	
Substantial Completion	
Target Completion	

Project Description

Remove and replace sealant around exterior windows to the adjacent wall surfaces.

Project Status

- ❖ Test existing caulking materials for asbestos to establish if abatement will be necessary prior to obtaining quotes for construction.

Elevator Modernization (ADOA)

1300 W. Washington, Phoenix

Project Details

Project Manager	Webster, John
Project №	8720B
Statutory Review №	CG-13-29
Architect/Engineer	Sun Engineering, Vertical Transportation Excellence
Contractor(s)	Builders Guild, Inc.
Budget	500000
Budget Source	Building Renewal BR614008-02

Project Timeline

Date Funded	11/21/2013
Construction Documents	5/19/2014
Project Bid	8/12/2014
Notice to Proceed	6/7/2015
Substantial Completion	11/26/2015
Target Completion	12/11/2015

Project Description

Sun Engineering and their design team (VTX & CH Architects) provided an elevator modernization assessment that identified the components on the elevator system that needed to be upgraded or replaced. The assessment also provided a construction cost estimate for the project. The Sun Engineering team is responsible for re-designing the elevator with modern components so that the elevator will operate more efficiently and be more reliable. Sun Engineering and the design team are also responsible for providing bidding support and construction administration during the construction phase of the project.

Project Status

- ❖ The elevators were passed by the State Elevator Inspector.
- ❖ The contractor is 99% complete on the first elevator and 98% complete on the renovation of the second elevator.

Elevator Modernization (ADOA)

2910 N. 44th Street, Phoenix

Project Details

Project Manager	Webster, John
Project №	8720C
Statutory Review №	CG-13-29
Architect/Engineer	Sun Engineering, Vertical Transportation Excellence
Contractor(s)	JOC - SJ Anderson Company
Budget	701427.12
Budget Source	Building Renewal BR61400804 (\$500,000) BR61501401 (\$201,427.12)

Project Timeline

Date Funded	3/18/2015
Construction Documents	5/21/2015
Project Bid	
Notice to Proceed	11/3/2015
Substantial Completion	5/31/2016
Target Completion	6/15/2016

Project Description

Sun Engineering and their design team (VTX & CH Architects) provided an elevator modernization assessment that identified the components on the elevator system that needed to be upgraded or replaced. The assessment also provided a construction cost estimate for the project. The Sun Engineering team is responsible for re-designing the elevator with modern components so that the elevators will operate more efficiently and be more reliable. Sun Engineering and the design team are also responsible for providing construction administration during the construction phase of the project.

Project Status

- ❖ The contract for \$526,563.47 was awarded June 15, 2015, to SJ Anderson.
- ❖ Notice to Proceed was issued on November 3, 2015. The sub-contractor will be Kone Elevator.

Data Center ATS Replacement (ADOA)

State Data Center, 1510 W. Adams, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	8725TI.17
Statutory Review №	CG-15-08
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	Design/Bid/Build
Budget	100000
Budget Source	Client Funded ASET3A0900

Project Timeline

Date Funded	7/20/2015
Construction Documents	11/11/2015
Project Bid	11/23/2015
Notice to Proceed	12/21/2015
Substantial Completion	
Target Completion	4/30/2016

Project Description

Design will consist of the replacement of the Data Center Automatic Transfer Switch (ATS) used to power HVAC units in the data center in the event of a power failure.

Project Status

- ❖ Pricing underway with Corbins Electric. In order to expedite the project, a requisition is routing to Corbins Electric for the purchase of the ATS piece of equipment.

HVAC and Bldg. Upgrades (ADOA)

1740 W. Adams, Phoenix

Project Details

Project Manager	MacDonald, Mike
Project №	BR1600502X
Statutory Review №	CG-15-25
Architect/Engineer	GLHN Architects & Engineers
Contractor(s)	TBD
Budget	1800000
Budget Source	Building Renewal BR1600502X

Project Timeline

Date Funded	7/21/2015
Construction Documents	11/9/2015
Project Bid	
Notice to Proceed	
Substantial Completion	
Target Completion	8/31/2016

Project Description

Replacing the roof of the building, as well as building remodeling to accommodate the addition of one chiller and replacement of two cooling towers.

Project Status

- ❖ Design is underway, design review set projected by December 4, 2015.

HVAC and Bldg. Upgrades (ADOA)

1400 W. Washington, Phoenix

Project Details

Project Manager	MacDonald, Mike
Project №	BR161500730
Statutory Review №	CG-15-07
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	TBD
Budget	1400000
Budget Source	ARRA BR161500730

Project Timeline

Date Funded	4/28/2015
Construction Documents	9/21/2015
Project Bid	11/15/2015
Notice to Proceed	12/13/2015
Substantial Completion	5/13/2016
Target Completion	6/13/2016

Project Description

Replacing roof of the building, as well as building remodeling including the removal of existing chillers and cooling towers and replacing with new.

Project Status

- ❖ Intent to award sent out 11/23/15. Awaiting bid docs and contract to be signed.

Roof Repair-Replacement: Arizona State Legislature (ADOA)

1700 W. Washington

Project Details

Project Manager	MacDonald, Mike
Project №	BR60100601 BR60100602
Statutory Review №	CG-15-02 (HR) CG-15-03 (S)
Architect/Engineer	BoArch, LLC
Contractor(s)	JOC - SJ Anderson Company
Budget	1100000
Budget Source	Building Renewal BR60100601 BR60100602

Project Timeline

Date Funded	12/30/2014
Construction Documents	
Project Bid	6/9/2015
Notice to Proceed	6/29/2015
Substantial Completion	12/30/2015
Target Completion	1/15/2016

Project Description

Remove and replace both roofs, add insulation, seal HVAC houses, reseal and paint HVAC doors, add parapet cap flashing, Install new LED lighting in courtyard and parking lots.

Project Status

- ❖ New roofing is completed, cap flashing installed, HVAC doors and sealing is complete, lighting is installed and complete. Awaiting new ladder installation and pigeon control.

Roof Repair-Replacement: Carnegie Library (ADOA)

1101 W. Washington, Phoenix

Project Details

Project Manager	MacDonald, Mike
Project №	BR61400605
Statutory Review №	CG-14-28
Architect/Engineer	Michael Wright Associates Inc.
Contractor(s)	JOC - SD Crane
Budget	800000
Budget Source	Building Renewal BR61400605

Project Timeline

Date Funded	10/27/2014
Construction Documents	2/16/2015
Project Bid	
Notice to Proceed	10/19/2015
Substantial Completion	12/31/2015
Target Completion	1/31/2016

Project Description

Removal of existing roof and re-install new terne coated roofing to mimic the 100 year old existing roof on the historic library

Project Status

- ❖ Demolition of old roof will be complete 12/7/15. Final submittals to be in by 12/11/15. Expect new roof install to begin 12/14/15.

Parking Garage Structural Repairs (ADOA)

15 S. 15th Ave, Phoenix

Project Details

Project Manager	MacDonald, Mike
Project №	BR61502100
Statutory Review №	CG-15-01
Architect/Engineer	Caruso Turley Scott Inc.
Contractor(s)	JOC-Core construction
Budget	150000
Budget Source	Building Renewal BR61501200

Project Timeline

Date Funded	3/25/2015
Construction Documents	4/20/2015
Project Bid	6/29/2015
Notice to Proceed	7/26/2015
Substantial Completion	10/30/2015
Target Completion	11/13/2015

Project Description

Structural repairs to the concrete T's and upper deck around cooling towers, as well as some fence post replacements. Install epoxy coating over new concrete on deck.

Project Status

- ❖ This project is complete and this will be the final report.

Drill New Potable Well #6 (ADC)

ASPC Lewis Complex, Buckeye

Project Details

Project Manager	Webster, John
Project №	5507
Statutory Review №	CG-14-23
Architect/Engineer	Southwest Ground-water Consultants, Inc.
Contractor(s)	Stewart Brothers Drilling Company
Budget	2000000
Budget Source	Client Funded GSDISA003

Project Timeline

Date Funded	8/7/2014
Construction Documents	2/13/2015
Project Bid	5/27/2015
Notice to Proceed	7/29/2015
Substantial Completion	12/16/2015
Target Completion	12/31/2015

Project Description

The project is to drill a new potable well for the Lewis Prison Complex. It will be the main well for the prison. Well 3 and Well 4 will be backup wells when Well 6 requires maintenance.

Project Status

- ❖ The project pilot hole was drilled down to 1000 feet and was extensively tested for water quality. The finished casing is completed and the well is being tested and developed presently.
- ❖ The second phase will start after completion of the well testing which will be the installation of well gear and electrical equipment.

Fire Alarm and Sprinkler Replacement (DEMA)

Prescott Armory, Prescott

Project Details

Project Manager	Webster, John
Project №	
Statutory Review №	CG-15-06A
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	JOC - SJ Anderson Company
Budget	1000000
Budget Source	Building Renewal BR61501600

Project Timeline

Date Funded	11/24/2014
Construction Documents	
Project Bid	
Notice to Proceed	10/7/2015
Substantial Completion	2/4/2016
Target Completion	2/19/2016

Project Description

Install new Class A Fire Alarm and Sprinkler system in armory at Prescott, AZ

Project Status

- ❖ Asbestos testing has been completed.
- ❖ Applications for water connection permits have been submitted to City of Prescott.
- ❖ Submittals to LSW for review are complete.

Fire Alarm and Sprinkler Replacement (DEMA)

Casa Grande Armory, Casa Grande

Project Details

Project Manager	Webster, John
Project №	
Statutory Review №	CG-15-06B
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	JOC - SJ Anderson Company
Budget	1000000
Budget Source	Building Renewal BR61501600

Project Timeline

Date Funded	11/24/2014
Construction Documents	
Project Bid	
Notice to Proceed	10/7/2015
Substantial Completion	2/4/2016
Target Completion	2/19/2016

Project Description

Install new Class A Fire Alarm and Sprinkler system in armory at Casa Grande

Project Status

- ❖ Asbestos and lead paint testing has been completed. Additional asbestos testing was completed on 10/28/15.
- ❖ Applications for water connection permit to City of Casa Grande and Arizona Water Company have been submitted.
- ❖ Submittals to LSW for review are complete.

Fire Line Replacement – Underground (DES)

Arizona Training Program, Coolidge

Project Details

Project Manager	Milheiro, Armando
Project №	8662
Statutory Review №	CG-15-21
Architect/Engineer	Ritcoh-Powell Engineers
Contractor(s)	JOC - SJ Anderson Company
Budget	250000
Budget Source	Building Renewal BR1600300X

Project Timeline

Date Funded	7/21/2015
Construction Documents	9/28/2015
Project Bid	10/9/2015
Notice to Proceed	10/30/2015
Substantial Completion	2/12/2016
Target Completion	2/26/2016

Project Description

Design will consist of removing and replacing underground fire lines to buildings where the lines are deteriorating.

Project Status

- ❖ Construction has begun. Valves are currently being installed. Survey has occurred.

Chiller Replacement (ADHS)

Arizona State Hospital, 2500 E. Van Buren Street, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	8336
Statutory Review №	CG-14-17
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	JOC - Johnson Controls
Budget	1114107
Budget Source	Building Renewal BR615012-02 (\$114,107) BR615018-00 (\$1,000,000)

Project Timeline

Date Funded	9/11/2014
Construction Documents	1/31/2015
Project Bid	
Notice to Proceed	4/6/2015
Substantial Completion	9/17/2015
Target Completion	9/30/2015

Project Description

Scope has been revised for the replacement of one 700 ton chiller, chilled water pumps and all associated piping, valves and accessories, including upgrades to the energy management system (EMS) and controls.

Project Status

- ❖ This project is complete and this will be the final report.

Boiler Replacement (ADHS)

Arizona State Hospital, 2500 E. Van Buren Street, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	8337
Statutory Review №	CG-15-19
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	Design/Bid/Build
Budget	1700000
Budget Source	Building Renewal BR1600800

Project Timeline

Date Funded	7/21/2015
Construction Documents	11/13/2015
Project Bid	11/27/2015
Notice to Proceed	
Substantial Completion	
Target Completion	

Project Description

Removal of existing steam boilers, deaerator, pumps, heat exchangers, storage tanks and related piping not necessary.

Replace with packaged heating plant skid containing 5 condensing hot water boilers.

Included will be ME&P work needed to install equipment.

Project Status

- ❖ Construction Drawings in for review with Statutory Review.

Fire/Smoke Damper Actuator Replacement (ADHS)

Arizona State Hospital, 2500 E. Van Buren Street, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	8335TI.1
Statutory Review №	CG-15-18
Architect/Engineer	Bridgers & Paxton Consulting Engineers
Contractor(s)	JOC - SJ Anderson Company
Budget	350000
Budget Source	Building Renewal BR1600400X

Project Timeline

Date Funded	7/21/2015
Construction Documents	10/30/2015
Project Bid	11/12/2015
Notice to Proceed	11/25/2015
Substantial Completion	
Target Completion	3/30/2016

Project Description

Removal of existing fire/smoke dampers and actuators in Buildings: A, B, C, D, E, F, G, H, & P. Installation of a duct mounted smoke detector at each damper, Fire Alarm relay wiring, and adequate access for dampers and devices.

Project Status

- ❖ Finalizing pricing with SJ Anderson. Looking at alternate actuator models as the existing model is obsolete.

New Fire Alarm Replacement System (ADHS)

Arizona State Hospital, 2500 E. Van Buren Street, Phoenix

Project Details

Project Manager	Collegio, Janet
Project №	8332TI.1
Statutory Review №	CG-12-03
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	Firetrol Protection Systems
Budget	362453
Budget Source	Building Renewal BR61500400

Project Timeline

Date Funded	7/21/2014
Construction Documents	9/28/2015
Project Bid	12:00:00 AM
Notice to Proceed	12/4/2015
Substantial Completion	12/30/2016
Target Completion	12/30/2016

Project Description

Engineer is to design a new fire alarm replacement system and provide construction administration services

Project Status

- ❖ A Preconstruction / Kick-Off Meeting is scheduled for Friday, December 4, 2015 to start the underground for Phase II of the new fire alarm replacement system for Central Plant, Hunt , Chapel and General Services Building.

Plumbing Chase Replacement (ADJC)

Adobe Mountain Schools, 2800 W.
Pinnacle Peak Road, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	4046
Statutory Review №	CG-13-20
Architect/Engineer	Energy Systems Design
Contractor(s)	JOC - SJ Anderson Company
Budget	424468.15
Budget Source	Building Renewal BR614010-00

Project Timeline

Date Funded	10/24/2013
Construction Documents	7/9/2014
Project Bid	4/9/2015
Notice to Proceed	4/8/2015
Substantial Completion	4/30/2016
Target Completion	5/31/2016

Project Description

Design, remove and replace existing plumbing chase in six (6) buildings. This project will consist of working on one (1) building at a time to minimize disturbance on the ADJC campus.

Project Status

- ❖ Vision Bldg.: Completed and occupants are now in the building.
- ❖ Enterprise Bldg.: Completed and occupants are now in the building.
- ❖ Triumph Bldg.: Completed and occupants are now in the building.
- ❖ Phoenix Bldg.: Completed and occupants are now in the building.
- ❖ Building #120: Completion to be on or before 12/24/15.
- ❖ Building #130: Dates to be determined.

Fire Suppression System Upgrades (ADJC)

Adobe Mountain Schools, 2800 W.
Pinnacle Peak Road, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	4047
Statutory Review №	CG-15-20
Architect/Engineer	FM Group
Contractor(s)	JOC - SJ Anderson Company
Budget	1200000
Budget Source	Building Renewal BR61500300

Project Timeline

Date Funded	7/21/2015
Construction Documents	11/30/2015
Project Bid	9/23/2015
Notice to Proceed	10/16/2015
Substantial Completion	
Target Completion	3/30/2016

Project Description

Design and install new fire sprinkler system in the remaining occupied buildings on the ADJC campus. Risers will also be installed at the buildings where they do not exist.

Project Status

- ❖ Finishing up design on first 6 buildings of the project. Drawings will be developed in 3 Phases in order to get Construction started as each phase is designed.

New Access Controls (ADJC)

Adobe Mountain Schools, 2800 W.
Pinnacle Peak Road, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	4045TI.1
Statutory Review №	CG-13-16
Architect/Engineer	David Evans & Associates, C&H Associates
Contractor(s)	JOC
Budget	400000
Budget Source	Building Renewal BR615003-00

Project Timeline

Date Funded	8/9/2013
Construction Documents	9/4/2015
Project Bid	11/12/2015
Notice to Proceed	10/30/2015
Substantial Completion	
Target Completion	TBD

Project Description

Design new control panels that will interface correctly with replacement locks for the existing cells. Purchase of the replacement locks will be under this project, and ADJC will install the locks.

Project Status

- ❖ Drawings have been approved by Statutory Review and currently in pricing with JOC contractor. RFI's are routing now for Engineering response.
- ❖ Construction of this project will follow the sequence of the Fire Suppression project at Adobe Mountain to minimize the number of times the occupants relocate.

Fire Suppression System Replacement (ADJC)

Adobe Mountain Schools, 2800 W.
Pinnacle Peak Road, Phoenix

Project Details

Project Manager	Milheiro, Armando
Project №	4046TI.1
Statutory Review №	CG-13-20
Architect/Engineer	Energy Systems Design
Contractor(s)	JOC - SJ Anderson Company
Budget	413812.4199999998
Budget Source	Building Renewal BR615003-00

Project Timeline

Date Funded	7/17/2014
Construction Documents	7/9/2014
Project Bid	4/9/2015
Notice to Proceed	4/29/2015
Substantial Completion	4/30/2016
Target Completion	TBD

Project Description

Design and install new fire sprinkler system in six (6) buildings on the ADJC campus. This project will be completed in tandem with the Chilled Water Piping system project.

Project Status

- ❖ Vision Bldg.: Completed and occupants are now in the building.
- ❖ Enterprise Bldg.: Completed and occupants are now in the building.
- ❖ Triumph Bldg.: Completed and occupants are now in the building.
- ❖ Phoenix Bldg.: Completed and occupants are now in the building.
- ❖ Building #120: Completion to be on or before 12/24/15.
- ❖ Building #130: Dates to be determined.

Interior and Exterior Paint (ADOT)

Tucson East MVD, Tucson

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Repaint building interior and exterior.

Project Status

- ❖ This project is complete and this will be the final report.

Roof Replacement (ADOT)

Coolidge MVD, Coolidge

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Replace the existing failed roofing.

Project Status

- ❖ A Purchase Order has been issued for the project. The contractor has ordered materials for construction.

Roof Replacement (ADOT)

Many Farms Storage Building, Many Farms

Project Details

Project Manager Spencer, Alvin

Project No

Statutory Review No

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Replace the existing failed roofing.

Project Status

- ❖ This project is complete and this will be the final report.

Overhang Soffit Replacement (ADOT)

Port of Entry B-8, Yuma

Project Details

Project Manager Spencer, Alvin

Project No

Statutory Review No

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Replace overhang soffit

Project Status

- ❖ The initial wood material proposal is rejected. Sheet metal panels are being reviewed as a preferred material.

Energy-Efficient Roof Coatings (ADOT)

North Phoenix Landscape Offices,
Phoenix

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Provide energy efficient protective roof coatings.

Project Status

- ❖ A Purchase Order has been issued for the project. The contractor will commence the first week of December.

Energy-Efficient Roof Coatings (ADOT)

Happy Valley Construction Offices,
Phoenix

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Provide energy efficient protective roof coatings.

Project Status

- ❖ A Purchase Order has been issued for the project. The contractor will commence the second week of December.

Building Exterior Painting (ADOT)

Yuma Maintenance Yard, Yuma

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Repaint the exteriors of buildings 2028, 2029, 2032, and 2033.

Project Status

- ❖ Cost proposals have been received and are under evaluation.

Building Exterior Painting (ADOT)

Willcox Maintenance Yard, Willcox

Project Details

Project Manager Spencer, Alvin

Project №

Statutory Review №

Architect/Engineer

Contractor(s)

Budget

Budget Source

Project Timeline

Date Funded

Construction Documents

Project Bid

Notice to Proceed

Substantial Completion

Target Completion

Project Description

Repaint the exteriors of all site buildings and make building repairs.

Project Status

- ❖ Purchase Orders have been issued to the contractor. The work is scheduled for January and February 2016.

New Construction (ADVS)

Veterans' Memorial Cemetery, Camp Navajo

Project Details

Project Manager	Pugh, Jeffrey
Project No	9009
Statutory Review No	VS-12-01
Architect/Engineer	David Evans & Associates, Orcutt Winslow
Contractor(s)	SDB Contractors, Inc.
Budget	7450000
Budget Source	Client Funded U.S. Department of Veteran Affairs Cemetery Grants Administration

Project Timeline

Date Funded	3/15/2014
Construction Documents	
Project Bid	6/27/2014
Notice to Proceed	7/14/2014
Substantial Completion	1/20/2016
Target Completion	2/20/2016

Project Description

Design and construction of Northern Arizona Veterans Memorial Cemetery roadways, family assembly area and committal shelter, 1994 square foot maintenance facility, 1270 gross square foot visitor and administration center.

The project provides a variety of burial options for the local veterans including in-ground casket burials, columbaria walls, in-ground cremain burials, and a scatter garden with memorial walls. The site is planned to maximize interment for as many years as possible with each phase supporting approximately 10 years of service. The first phase of development includes the following interment types and quantities: 274 In-Ground Double Depth Pre-Placed Crypts; 222 in-ground cremain; 220 Columbaria Niches and Memorial Wall Markers.

Project Status

- ❖ Site concrete is 99% complete. Site irrigation and plant installation is complete.
- ❖ Visitor Center (VAC) interior finish work is complete, as well as flooring installation. Interior

drywall installation, texture application and painting are not complete.

- ❖ Committal Shelter (CS) operable glass wall system installation has been delayed due to structural design flaw. Structural engineer has completed the redesign and recalculating wall housing area and load bearing beams and walls. Contractor is pricing additional work.
- ❖ Maintenance Building (MCS) is complete.
- ❖ Columbaria stone work and niche covers (space in a columbarium, mausoleum or niche wall to hold an urn) are complete.
- ❖ Memorial wall stone and niche cover installation is complete.
- ❖ Site roads are complete.

New Construction (ADVS)

Veterans' Memorial Cemetery, Marana

Project Details

Project Manager	Pugh, Jeffrey
Project №	9011
Statutory Review №	VS-14-01
Architect/Engineer	David Evans & Associates, Orcutt Winslow
Contractor(s)	SDB Contractors, Inc.
Budget	7800000
Budget Source	Client Funded U.S. Department of Veteran Affairs Cemetery Grants Administration

Project Timeline

Date Funded	10/15/2013
Construction Documents	
Project Bid	7/25/2014
Notice to Proceed	9/22/2014
Substantial Completion	12/30/2015
Target Completion	1/25/2016

Project Description

Design and construction of Arizona Veterans' Memorial Cemetery at Marana roadways, 1016 square foot family assembly area and committal shelter, 2,282 square foot maintenance facility, 1,788 gross square foot visitor and administration center.

The project provides a variety of burial options for the local veterans including in-ground casket burials, columbaria walls, in-ground cremain burials, and a scatter garden with memorial walls. The site is planned to maximize interment for as many years as possible with each phase supporting approximately 10 years of service. The first phase of development includes the following interment types and quantities: 1,802 3'x 8' In-Ground Double Depth Pre-Placed Crypts; 1,638 3'x4' in-ground cremain; 1,920 Columbaria Niches and Memorial Wall Markers.

Project Status

- ❖ Site roadway and parking lots are complete.
- ❖ Committal shelter benches have been installed. Speakers have been installed and tested.
- ❖ Visitors and Administration Center is complete.

- ❖ Both crypt fields have been hydroseeded (a planting process that uses a slurry of seed and mulch, often used as an erosion control technique on construction sites). The crypt field soil has settled and caused major soil erosion and depression. The contractor and soils engineer are in the process of resolving with a correction action plan to import more soil, better compaction, additional testing and re-hydroseeding or installing sod.
- ❖ Columbarium stone veneer and lime stone caps are complete.
- ❖ Columbarium niche covers, sandstone caps benches and sidewalks have been installed.
- ❖ Site irrigation has been installed. Concrete sidewalks in the Assembly Area are complete.
- ❖ All grading is complete and ABC has been placed on the roadway. Asphalt base course is complete.
- ❖ The north and south driveways have been installed connecting the cemetery site to Luckett Road.

EMS Upgrades (AHCCCS)

701 and 801 E. Jefferson Street, Phoenix

Project Details

Project Manager	Anderson, William
Project №	8440
Statutory Review №	
Architect/Engineer	
Contractor(s)	Arizona Comfort Zone CCI (EMS Integrator)
Budget	120000
Budget Source	Building Renewal BR1601003

Project Timeline

Date Funded	7/27/2015
Construction Documents	10/30/2015
Project Bid	
Notice to Proceed	11/27/2015
Substantial Completion	2/15/2016
Target Completion	3/16/2016

Project Description

Provide Construction Administration and Project Management for the upgrade of the Energy Management System (EMS) for the AHCCCS Buildings at 701 and 801 W Jefferson to allow the mechanical infrastructure to be monitored and operated from a Command Center in 701.

Project Status

- ❖ Purchase Orders for Arizona Comfort Zone and CCI (the EMS Integrator) are issued. The installation of the EMS is in progress.

EMS Upgrades (AHS)

AHS Museum 949 E. 2nd Street, Tucson

Project Details

Project Manager	Anderson, William
Project №	9702
Statutory Review №	
Architect/Engineer	
Contractor(s)	Arizona Comfort Zone CCI (EMS Integrator)
Budget	210000
Budget Source	Building Renewal BR1601002

Project Timeline

Date Funded	7/21/2015
Construction Documents	8/30/2015
Project Bid	
Notice to Proceed	8/13/2015
Substantial Completion	11/30/2015
Target Completion	12/1/2015

Project Description

Provide Construction Administration and Project Management for the upgrade of the Energy Management System (EMS) for the Tucson History Museum to allow the mechanical infrastructure to be monitored and operated from a Command Center located in the Tempe Museum.

Project Status

- ❖ The AHS Command Center in the Tempe Museum will be able to see and control the Tucson Museum HVAC 12/10/15.

EMS Upgrades (AHS)

Az Heritage Center at Papago Park 1300
N. College Avenue, Tempe

Project Details

Project Manager	Anderson, William
Project №	8647TI.3
Statutory Review №	
Architect/Engineer	
Contractor(s)	Arizona Comfort Zone CCI (EMS Integrator)
Budget	260000
Budget Source	Building Renewal BR1601001

Project Timeline

Date Funded	7/27/2015
Construction Documents	9/30/2015
Project Bid	
Notice to Proceed	9/30/2015
Substantial Completion	12/31/2015
Target Completion	1/30/2016

Project Description

Provide Construction Administration and Project Management for the upgrade of the Energy Management System (EMS) for the Az Heritage Center at Papago Park to allow the mechanical infrastructure to be monitored and operated from a Command Center.

Project Status

- ❖ The AHS Command Center is operational. The installation of the EMS in the Az Heritage Center is in progress.

Roof Replacement (AHS)

AHS Museum 949 E. 2nd Street, Tucson

Project Details

Project Manager	MacDonald, Mike
Project №	BR61501700
Statutory Review №	CG-15-04
Architect/Engineer	BoArch, LLC
Contractor(s)	JOC-Core construction
Budget	6000000
Budget Source	Building Renewal BR61501700

Project Timeline

Date Funded	11/24/2014
Construction Documents	11/10/2015
Project Bid	11/18/2015
Notice to Proceed	
Substantial Completion	3/15/2015
Target Completion	3/31/2015

Project Description

Re-roofing of the flat roof sections (excluding cooling tower roof)of the entire building, gutters of metal roof sections and new ridge on metal roof.

Project Status

- ❖ PO issued 11/25/15, with estimated start of construction 1/15/16 - 2/1/16.

New Fire Alarm Replacement System - Pima Dormitory (ASDB)

1200 W. Speedway, Tucson

Project Details

Project Manager	Collegio, Janet
Project №	8954TI.4C
Statutory Review №	CG-11-03TI.4
Architect/Engineer	LSW Engineers Arizona, Inc.
Contractor(s)	Firetrol Protection Systems
Budget	268229.63
Budget Source	Building Renewal BR61500200

Project Timeline

Date Funded	7/21/2014
Construction Documents	3/12/2015
Project Bid	12:00:00 AM
Notice to Proceed	9/17/2015
Substantial Completion	5/31/2016
Target Completion	8/3/2016

Project Description

Engineer is to design a new fire alarm replacement system and provide construction administration services

Project Status

- ❖ Firetrol has installed 50% of the wire pulled in the Pima Dormitory building

Roof Replacement (DPS)

DPS Phoenix Fleet Building
2102 W. Encanto Boulevard, Phoenix

Project Details

Project Manager	Anderson, William
Project №	9508
Statutory Review №	
Architect/Engineer	TBD
Contractor(s)	TBD
Budget	250000
Budget Source	Building Renewal BR1601100

Project Timeline

Date Funded	7/27/2015
Construction Documents	
Project Bid	
Notice to Proceed	
Substantial Completion	
Target Completion	

Project Description

Repair or replace failing roofs at the DPS Fleet Buildings in Phoenix, AZ.

Project Status

- ❖ Met with DPS and SD Crane Builders at the site and reviewed the condition of the roof on the Fleet Building. A recommendation is being prepared for review.

Evaporative Cooler Replacement (PH)

300 S. McCormick Street, Prescott

Project Details

Project Manager	MacDonald, Mike
Project №	BR1600700
Statutory Review №	
Architect/Engineer	
Contractor(s)	JOC - Core Construction
Budget	100000
Budget Source	Building Renewal BR1600700

Project Timeline

Date Funded	7/21/2015
Construction Documents	
Project Bid	10/7/2015
Notice to Proceed	11/2/2015
Substantial Completion	12/3/2015
Target Completion	12/15/2015

Project Description

Replacement of 11 evaporative coolers in various locations of building, including the roof.

Project Status

- ❖ Coolers have all been installed, started up and ready for operation when necessary. Some scope may be added for ductwork and punchlist is being completed now.

Brick Repair and Re-Sealing (PHS)

415 W. Gurley Street, Prescott

Project Details

Project Manager	MacDonald, Mike
Project №	BR16101200
Statutory Review №	
Architect/Engineer	
Contractor(s)	JOC - Core Construction
Budget	150000
Budget Source	Building Renewal BR1601200

Project Timeline

Date Funded	7/21/2015
Construction Documents	
Project Bid	
Notice to Proceed	10/19/2015
Substantial Completion	12/11/2015
Target Completion	12/30/2015

Project Description

Replacement of numerous individual bricks throughout the Lawler Museum Building and re-sealing of the building in its entirety to protect the bricks.

Project Status

- ❖ Brick replacement commenced on October 19, 2015. Brick replacement is complete. Currently powerwashing building for sealer application on December 7, 2015 if weather permits and PH testing complies with manufacturer recommendations.

GLOSSARY OF TERMS

Project Identification

Budget Source. Where the money is appropriated from (i.e. Capital Appropriation, Building Renewal, Operations, Client Funded etc.)

Contractor. Company hired to provide all materials, labor, equipment and supervision to perform all necessary work to complete the project.

CM@R. Construction Manager at Risk - is a delivery method which entails a commitment by the Construction Manager to deliver the project within a Guaranteed Maximum Price (GMP), acting in the Owner's interest. The Construction Manager must manage and control construction costs to not exceed the GMP.

Date Funded. Date funding assigned to the project.

Project Manager. Individual assigned to carry out and be responsible for construction of all portions of the project.

Statewide Statutory Review Project Number. Plans and Specifications reviewed by State Engineer for code compliance are given a specific project number by State's Chief Engineer for reference in and assignment for inspection reports.

Bid Date. Date for the receipt of bids (cost proposals) from the Contractors

Substantial Completion. Date certified by Architect when the project or designated portion of the project is sufficiently complete for the use for which it is intended

Target Completion. Date identified by ADOA Construction Services and Client when Client can expect the project to be finally complete.

A/E. Licensed Consultant hired to perform architectural/engineering services including analyzing project requirements, creating and developing project designs, preparing drawings and specifications, bidding and general construction administration of the construction contract

Documents

CD. Construction Documents - prepared drawings and specifications from the approved design devel-

opment documents comprising the working drawings (drawings intended for use by a contractor, subcontractor, or fabricator) which form part of the contract documents for a building project.

CCD. Construction Change Directive - a directive for changes in the Work for use where the Owner and Contractor have not reached an agreement on proposed changes in the Contract, the contract sum or contract time.

DCN. Design Change Notice - a written order to the Architect/Engineer issued after the execution of their contract to direct the A/E of an addition or change in scope of work to the construction project.

DD. Design Development Documents – documents prepared by the Architect and other documents, to fix and describe the size and character of the entire project, as to structural, mechanical and electrical systems, materials and such other essentials as may be appropriate (and also when a further statement of probable construction cost may be submitted) for the owner's approval and review.

NTP. – Notice to Proceed – written notice to Contractor indicating the date established to proceed with the project

PEA. Preliminary Energy Audit – an early audit of the energy and water systems of a building to identify opportunities for an ESPC.

RFP. Request for Proposal - document sent by a potential buyer to potential vendors soliciting price quotes.

RFQ. 1) Request for Quote – document sent to potential vendors soliciting price quotes; 2) Request for Qualifications – used to indicate that the Owner is seeking qualifications from a design firm (usually an architect or engineer.

Financial

Budget. The sum established as available for the entire project including but not limited to professional fees, contingency allowance and construction of the project.

CO. Change Order - a written order to the Contractor (signed by the Owner and the Architect), issued after the execution of the Contract, authorizing a change in

the Work or an adjustment in the contract sum or the contract time, as originally defined by the contract documents.

COP. Certificates of Participation - a type of financing where an investor purchases a share of the lease revenues of a program rather than the bond being secured by those revenues. The authority usually uses the proceeds to construct a facility that is leased to the municipality.

GMP. Guaranteed Maximum Price - (also known as Not-To-Exceed Price, NTE, or NTX) contract is a cost-type contract (also known as an open-book contract) where the contractor is compensated for actual costs incurred plus a fixed fee subject to a ceiling price. The contractor is responsible for cost overruns, unless the GMP has been increased via formal Change Order (only as a result of additional scope from the client, not price overruns, errors, or omissions). Savings resulting from cost under runs are returned to the Owner, or shared with the Contractor as an incentive.

JOC. Job Order Contract - is a way for organizations to get numerous, commonly encountered construction projects done quickly and easily through multi-year contracts. JOC reduces unnecessary levels of engineering, design, and contract procurement time along with construction project procurement costs by awarding long-term contracts for a wide variety of renovation, repair and construction projects. Projects are priced from the Owner's unit cost book rather than bid.

Agencies, Divisions, and Units

FOAM. Division of ADOA – Facilities Operations and Maintenance - provides service in the areas of maintenance, custodial, grounds and landscaping, and HVAC operations.

JCCR. Joint Committee on Capital Review – Committee that ascertains facts and makes recommendations to the Legislature regarding State expenditures for land, buildings and improvements.

SPO. State Procurement Office - serves as the central authority on procurement statutes and rules for all governmental bodies of the State.

Systems, Components, and Materials

ABC. Aggregate Base Course – ABC, AB or road base, is a blend of crushed gravel/stone ranging in size 1” down to sand size particles. Used in many applications as a compaction material under concrete slabs or roads.

CRAC. Computer Room Air Conditioner

EIFS. Exterior Insulation and Finish System - a synthetic stucco weatherproofing and insulation system that is lightweight, inexpensive and very flexible. EIFS consists of an extruded (XPS) or expanded polystyrene (EPS) or a polyisocyanurate foam glass fiberboard for insulation and an acrylic stucco finish for weatherproofing.

EMS. Energy Management System – a set of software tools used to monitor, control and analyze a building's energy consumption.

HVAC. The abbreviation for heating, ventilation and air conditioning systems, used in building design and construction.

MPE. The abbreviation for mechanical, plumbing and electrical systems.

PDU. Power Distribution Unit - a device used in datacenters to distribute AC power to multiple servers and other equipment.

SES. Service Entrance Section – the equipment needed at the point where electrical service enters a building. Equipment normally consists of the main junction box, circuit breakers and/or fuses, and meters.

UPS. Uninterruptible Power Supply - a device that provides battery backup when the electrical power fails or drops to an unacceptable voltage level.

VCT. Vinyl Composition Tile - A resilient floor covering which is composed of a binder (one or more resins, such as vinyl chloride, compounded with suitable plasticizer and stabilizers) with fillers, and pigment