CITY OF PHOENIX AVIATION DEPARTMENT DESIGN AND CONSTRUCTION OPPORTUNITIES

CANDACE HUFF, C.M., P.E.
DEPUTY AVIATION DIRECTOR
MARCH 16, 2023



PHX DYT EYR

PRIMARY CONTACT

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ADDITIONAL CONTACTS

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Special Projects Administrator, Design & Construction Services

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AGENDA

- What we do
- Who we are
- How we do it
- What's coming up



MISSION STATEMENT

The DCS mission is to deliver world-class aviation facilities in an environmentally responsible manner that exceed our customer and stakeholders expectations while minimizing disruption to airport operations.



WHAT DOES DCS DO?

Manage all design and construction projects at the city's three airports - Phoenix Sky Harbor International Airport (PHX), Phoenix Deer Valley Airport (DVT) and Phoenix-Goodyear Airport (GYR).





WHAT DOES DCS DO?



We provide project management to lead teams of Designers and Contractors.

WHAT DOES DCS DO?

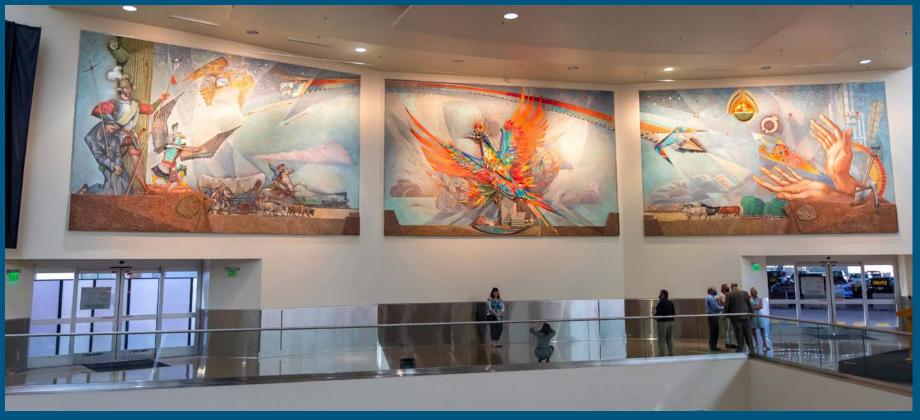


We procure, negotiate and manage **Design**Contracts



We procure, negotiate and manage **Construction Contracts**

Relocation of the Terminal 2 Paul Coze Mural to the Rental Car Center Third Floor Escalator Lobby



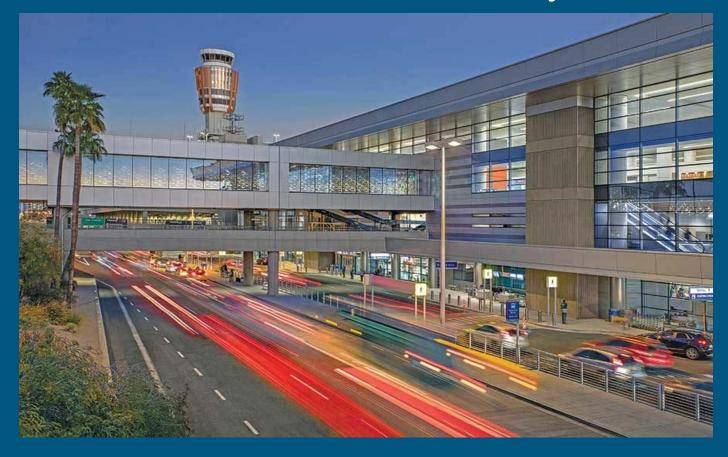


Envision Gold Award for Sustainability from the Institute for Sustainable Infrastructure for the PHX Sky Train Stage 2 Project





Engineering News-Record Award of Merit for the PHX Terminal 3 North Concourse Modernization Project





Engineering News-Record Award of Best Aviation/Transit Project for New Terminal 4 Eighth Concourse S1 Project Award

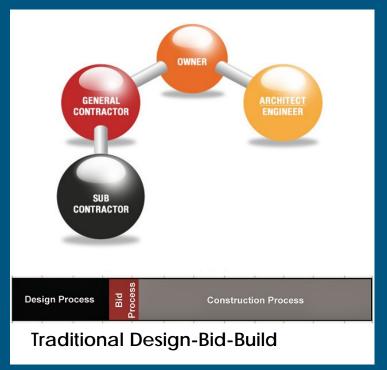


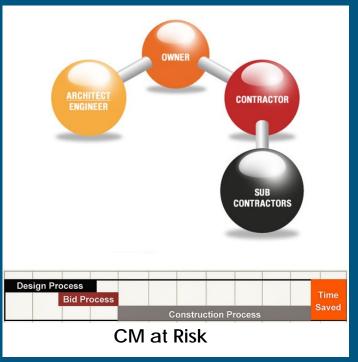


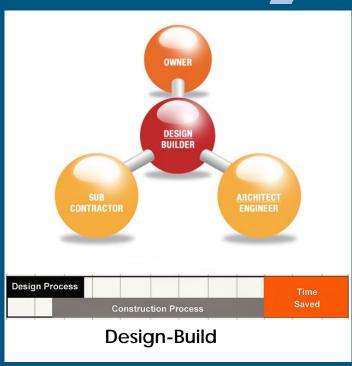
NUMBER OF CONSTRUCTION PROJECTS AND VALUE

We manage approx. 45-50 active capital budget construction projects with average annual cash spending of \$320 million/year.

<u>Active</u>	Construction Delivery	Percent of	Total Capital
Number of	Method Types	<u>Delivery</u>	<u>Budget</u>
<u>Projects</u>		<u>Types</u>	
13	Job Order Contract	28%	\$28 million
3	Design-Build	6%	\$622 million
11	Design-Bid-Build	23%	\$91 million
<u>20</u>	Construction Manager At Risk	43%	\$2.1 billion
47		100%	\$2.8 billion







We analyze a project & pick the best delivery method...



We procure Design Professionals and Contractors* through a Qualifications Based Selection process.





*Except if project delivery is Design-Bid-Build (DBB).

During all phases of Design and Construction we manage:



WHAT IS PROJECT SCOPE?

Project Scope is the agreed upon expectations and limits of a project...the needs...the objectives...

Typically at Aviation, it comes from the "Owning Division" through the Planning and Capital Management Divisions in the form of a "Project Program" document.

Poor scope definition is the major contributing factor to cost overruns in the design and construction industry!

HOW WE DO IT



We manage the Scope of a project...



- We require weekly look ahead schedules.
- We require monthly project schedule updates which are reviewed by our in house schedule reviewer.

We manage the Schedule of a project...



We manage the Budget of a project...

- We require milestone estimates during the design phase.
- We utilize 3rd party estimates to reconcile all estimates and GMP proposals.
- We utilize a change control process for all added scope

We manage the Quality of a project...









- We provide full time quality inspection from Aviation staff.
- We develop and maintain the AVN design standards manual and review the construction documents to the standards.
- We utilize 3rd party commissioning agents and material testing labs.



We manage the communication process...

What are the top project risks here at Aviation?

- Clear Scope Development during Planning
- Accurate Project Estimating during Planning
- Scope Creep during Design Phase
- Timely Decision-Making during Design Phase
- Access to Work during Construction Phase
- Unforeseen site conditions during Construction Phase



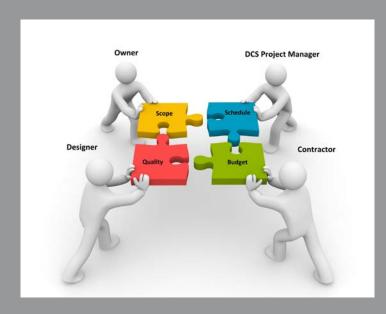
We manage the Project Risks...



We strive to foster
Teamwork in our projects

Project success requires collaboration





We all know priorities conflict during projects



It takes cohesive team to ensure project success





"BUILD AMERICA" PREFERENCE IN BIPARTISAN INFRASTRUCTURE LAW (BIL)

- Promotes "Made in America" construction materials on federally funded infrastructure projects
- Expands standards to require use of American-made iron, steel, construction materials and manufactured products





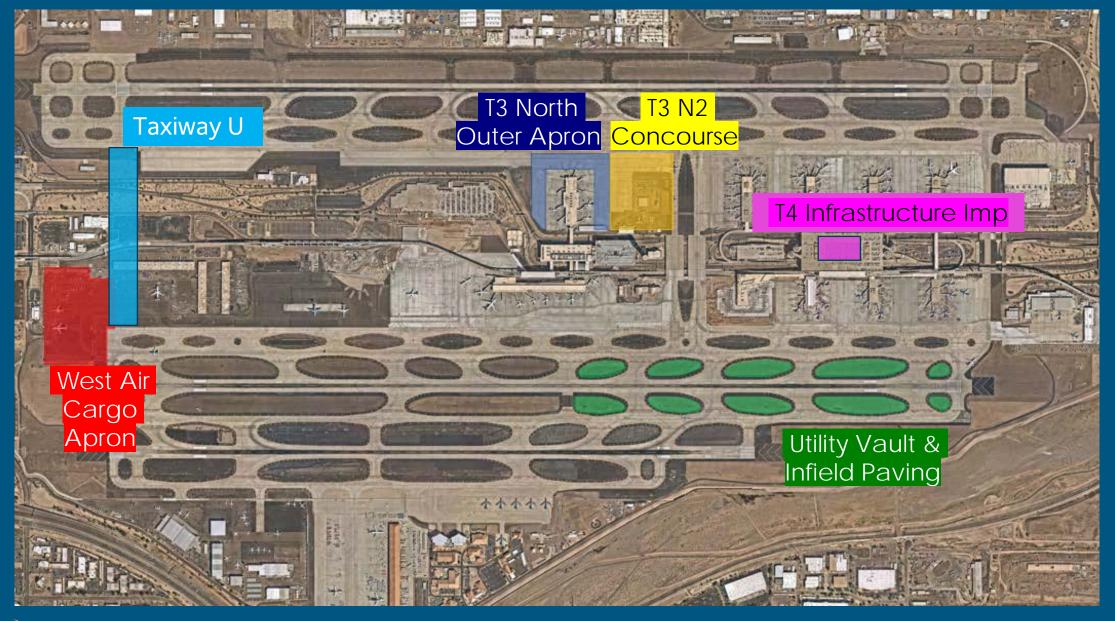
Upcoming Medium to Large PHX Construction Projects - above \$10 million

- PHX Reconstruct Terminal 3 North Outer Apron: Design Procurement; FAA (Fall/Winter 2023)
- PHX West Air Cargo Apron: Design-Bid-Build, FAA (Spring/Summer 2023)
- PHX Terminal 4 Infrastructure Improvements such as elevators, escalators, moving walkways, etc. – Phase 2 Design-Build; FAA (Summer/Fall 2023)

Upcoming Medium to Large PHX Construction Projects - above \$10 million

Subcontracting Opportunities:

- PHX Crossfield Taxiway U Kiewit Infrastructure West Co.
- PHX Terminal 4 Baggage Handling System Upgrades to Explosive Detection System - The Weitz Company, LLC
- PHX Utility Vault Upgrade and Infield Paving Banicki
- PHX Terminal 3 New North N2 Concourse Package #1 and package #3





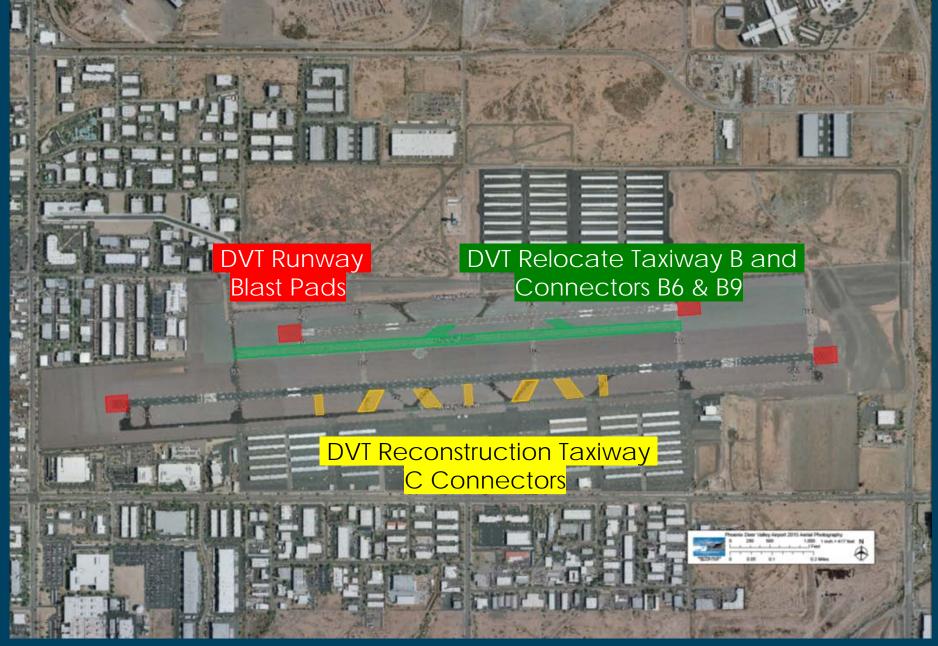
Upcoming DVT Grant Construction Projects

Small construction projects below \$10 million:

- DVT Runway Blast Pads: Construction Design-Bid-Build; ADOT (Spring/Summer 2023)
- DVT Reconstruct Taxiway C Connectors, C4, C5, C6, C7, C9, & C10; Phases I-IV (CMAR or Design-Bid-Build); FAA (FY 2024)

Medium construction project ranging from over \$10 million to \$50 million

 DVT Relocate Taxiway B and Connectors B6 & B9: Construction (CMAR Banicki); FAA (Summer 2023)





UPCOMING GYR ACIP PROJECTS

(FAA & ADOT Funded)

Small construction projects below \$10 million:

- GYR Infield Paving: Designer Selection; ADOT (Spring 2023)
- GYR New North Apron & Taxiway Connector: Design-Bid-Build;
 FAA (Spring 2023)

Medium construction project ranging from over \$10 million to \$50 million

 GYR Apron Rehabilitation Phase I: Designer Selection; FAA (Winter 2023)





TIPS FOR A COMPETITIVE PROCESS

- Start early do not wait until the deadline
- •Read the document carefully and provide the information that the Request for Qualifications is asking for
- Attend the Pre-Submittal Meetings
- Make your proposal easy to read and follow



WEBSITES FOR INFORMATION

Airport Site: https://www.skyharbor.com/

• Streets Procurement Site: **solicitations.phoenix.gov**

skyharbor.com











STEPS TO WINNING THAT DESIGN OR CONSTRUCTION JOB

Design & Construction Procurement Office of the City Engineer March 16, 2023



PHX DYT EYR



ERIC FROBERG, PE CITY ENGINEER

DEBRA RUSSELL CONTRACTS SPECIALIST II TEAM LEAD





PHX DYT EYR

AGENDA

- → Newsletter / Navigating the Websites
- > Methods of Procurement

- → Bid / SOQ Submittal Tips
- Wow the Panel
- → Get Feedback







Design and Construction Procurement Newsletter
Volume 7 - February 13, 2023

IMPORTANT NOTICES!

DESIGN AND CONSTRUCTION PROCUREMENT IS IN NEED OF PANEL MEMBERS. IF YOU HAVE NEVER ATTENDED THE SELECTION PANEL TRAINING OR IF IT HAS BEEN SEVERAL YEARS SINCE YOU ATTENDED AND MIGHT NOW BE WITH ANOTHER COMPANY, PLEASE CONTACT DANIEL VALLADEE TO UPDATE YOUR CONTACT INFORMATION OR SIGN UP FOR ONE OF OUR UPCOMING TRAINING CLASSES. INFORMATION IS AVAILABLE AT THE END OF THE NEWSLETTER.

CITY HALL IS OPEN TO THE PUBLIC. IN PERSON MEETINGS ARE AGAIN BEING HELD. SOME TELEWORKING AND ONLINE MEETINGS WILL CONTINUE.

THERE IS A BLUE DROP BOX LOCATED ON THE FIRST FLOOR OF CITY HALL THAT MAY BE USED TO DROP OFF ANY DESIGN AND CONSTRUCTION PROCUREMENT DOCUMENTS. THE BOX IS LOCKED AND WILL BE CHECKED PERIODICALLY THROUGHOUT THE DAY. DOCUMENTS MAY ALSO BE HAND DELIVERED TO THE FIFTH FLOOR.

PROJECT ADVERTISEMENTS ARE POSTED IN THE ARIZONA BUSINESS GAZETTE

PROFESSIONAL SERVICES OPPORTUNITIES

AVIATION:

Aviation Program Manager Project Management Staff Support Services. (Project No. 6654211093). Product Category Code 925000000, 992580000. RFx: 6000001371. The Request for Qualifications will be available Thursday, February 16, 2023. (SA)

Aviation Program Manager Project Management Staff Support Services Qualified Vendor List. (Project No. 6654211093). Product Category Code 925000000, 906000000, 962580000. RFx: 6000001370. The Request for Qualifications will be available Thursday, February 16, 2023. (SA)

Sustainability On-Call Consulting Services Fiscal Years 2023/24 Through 2027/28. Product Category Code 925000000, 926000000, and 926580000. RFx: 6000001376. The Request for Qualifications will be available Thursday, February 16, 2023. (AP)

WATER SERVICES:

27th Avenue Sewer Relief. Engineering Services (Project No. WS90500315). Product Category Code: 925000000. RFx: 6000001355. The Request for Qualifications will be available Thursday, February 16, 2023. (TL)

CONSTRUCTION SERVICES OPPORTUNITIES

THERE ARE NO CONSTRUCTION SERVICES OPPORTUNITIES THIS WEEK.

CONTACT US:

PROCUREMENT TEAM: CONTRACTS SPECIALISTS

The Design and Construction Procurement team coordinates the contracting process for capital improvement projects per A.R.S. Title 34 under the direction of the City Engineer. The assigned Contracts Specialist should always be your primary point of contact from advertisement through contract execution.

SELECTION PROCESS: <u>DEBRIEFS</u>

Upon completion of a selection process, the assigned Contracts Specialist may only provide your firm's scores and comments. Once the selection is awarded at Council, all scores and comments are available via a public records request at the link below.

PUBLIC RECORDS: <u>REQUESTS</u>

In the description indicate that the request is for STR CR PROCUREMENT.

Include the assigned Contracts Specialist's name.



SOLICITATIONS.PHOENIX.GOV



Solicitations

Tabulations, Awards, and Recommendations

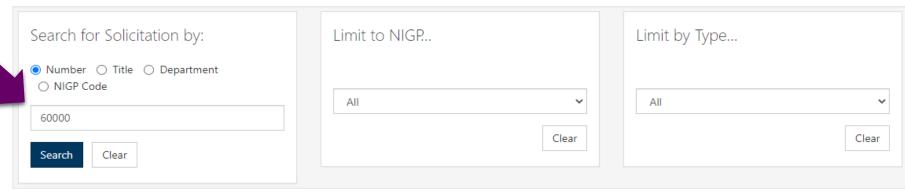
Solicitations

The City of Phoenix is committed to the principles of open constitution and fairness for the procurement of goods and services. Working with customers, the City strives to ensure that our community receives the best value for the tax dollars that are expended.

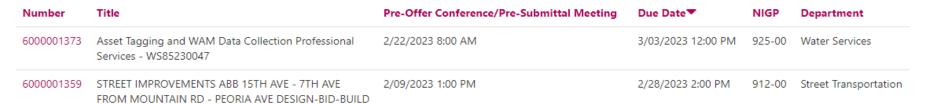
The following is a list of all formal solicitations estimated to cost \$100,000 or more available for open competition. The list is inclusive of all formal solicitations issued by all City Departments for goods and services and for A.R.S Title 34 professional and construction services through the Office of the City Engineer. Please read the solicitation for submission instructions and requirements.

For information about the results of recent solicitations, visit the Tabulations, Awards, and Recommendations web page.

Search and Filter Options:



Showing 1 - 5 of 5





SOLICITATIONS.PHOENIX.GOV

Phoenix Sky Harbor International Airport 2022 Airfield Pavement Assessment Engineering Services - AV09000100

Solicitation Details

Solicitation/Project Number

6000001154/AV09000100

Department

Aviation

Contract Specialist/Procurement Officer

Annette Perez

Pre-Offer Conference/Pre-Submittal Meeting

10/15/2021 10:00 AM

Date Due

10/29/2021 12:00 PM

Solicitation Status

Award Notice

NIGE

925-00 - ENGINEERING SERVICES.PROFESSIONAL

Additional Information

The City of Phoenix is seeking a qualified consultant team to provide engineering services to provide study and assessment services to meet Federal Aviation Administration requirements for receiving federal funds for pavement projects at Phoenix Sky Harbor International Airport. The project site is located at 3400 E. Sky Harbor Boulevard.

Associated Files

- Request For Qualifications (pdf)
- SUBMITTER'S HANDBOOK
 (pdf)
- Pre-Submittal Mtg Attendance Sheet (pdf)
- Pre-Submittal PowerPoint Presentation
 (pdf)
- AWARD TABLE.pdf





Call Help Desk (602) 262-1819

Email Help Desk vendor.support@phoenix.gov

VENDOR REGISTRATION



BECOME A VENDOR



- 1. Gather Your Business Info
- Scan Your Signed W-9
- 3. Register in System
- 4. Set-Up ID & Password

To do business with the city you must register in **procurePHX**. To register, you must have a signed, scanned copy of your W-9. **Need Help?** Email vendor.support@phoenix.gov or call (602) 262-1819.

Instructions	>
Registration	>
ProcurePHX Login	>

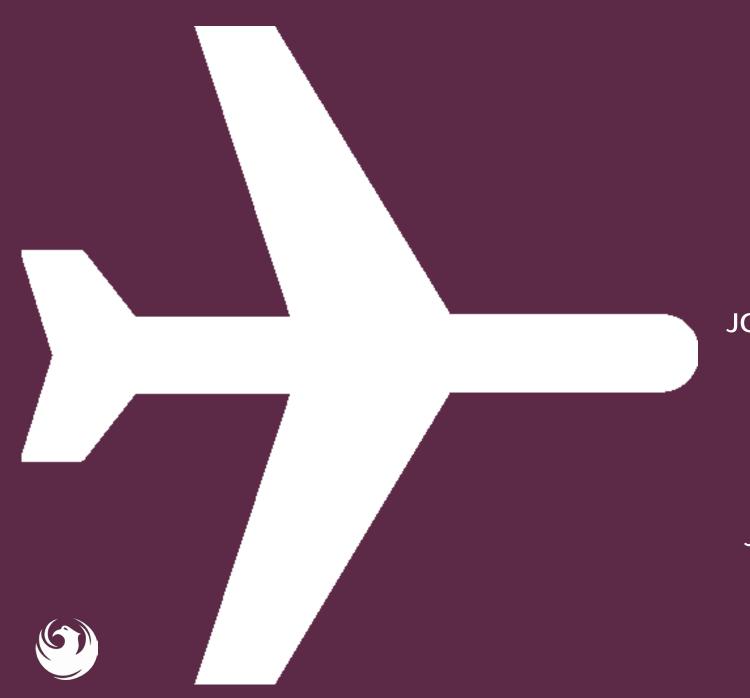
- All Firms MUST be registered in the Vendor Management System PRIOR TO SUBMITTING A SOQ
- Information on how to register with the City is available at:

https://www.phoenix.gov/finance/vendorsreg

- New Firms After Registering, the City will send an email with a vendor number in approximately two days
- If your firm is already registered with the City of Phoenix's ProcurePHX system, login and access the electronic solicitation at:

https://eprocurement.phoenix.gov/irj/portal

METHODS OF PROCUREMENT



PROFESSIONAL SERVICES:

PLANNING/PROGRAMMING STUDY/ASSESSMENT DESIGN

CONSTRUCTION ADMINISTRATION & INSPECTION

TESTING & INSPECTION

JOB ORDER CONTRACT SUPPORT SERVICES

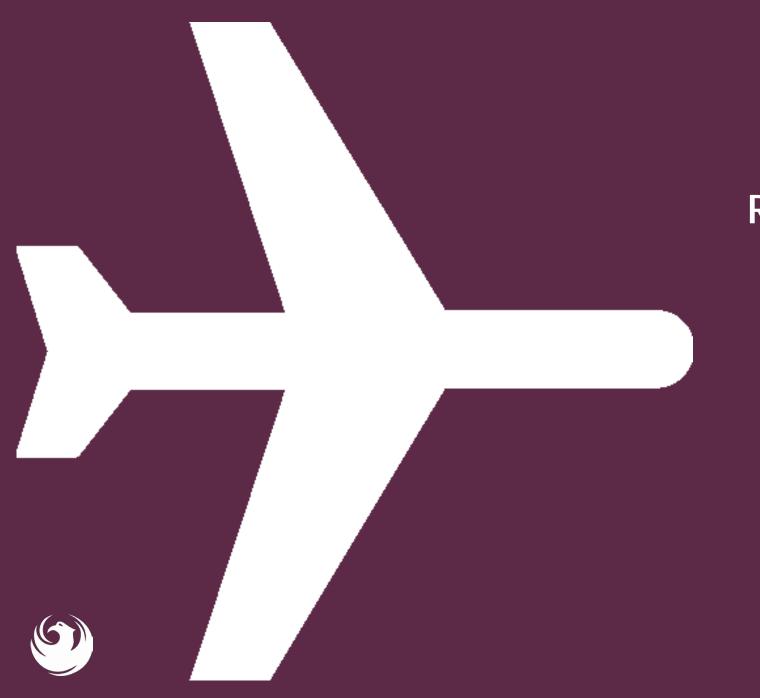
CONSTRUCTION SERVICES:

CONSTRUCTION MANAGER AT RISK

JOB ORDER CONTRACT (1- AND 2-STEP)

DESIGN-BUILD

DESIGN-BUILD



SOLICITATION:

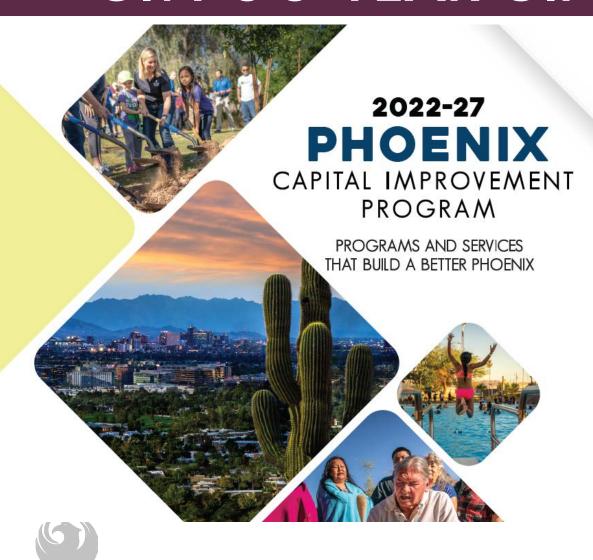
REQUEST FOR QUALIFICATIONS REQUEST FOR PROPOSALS (2-STEP PROCUREMENTS) INVITATION FOR BIDS

GUIDELINES:

A.R.S. TITLE 34 – STATE A.R. 3.25 – CITY PHOENIX CITY CODE



CITY'S 5-YEAR CIP BUDGET



https://www.phoenix.gov/budget

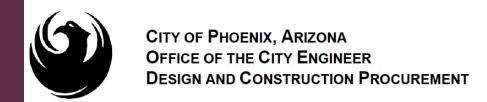
5-YEAR CIP SUMMARY BY DEPARTMENT

SCHEDULE 1
SUMMARY OF 2022-27 CAPITAL IMPROVEMENT PROGRAM
BY PROGRAM

(In Thousands of Dollars)

	2022-23	2023-24	2024-25	2025-26	2026-27	Total
Arts and Cultural Facilities	902	-	-	-	-	902
Aviation	567,076	436,553	348,398	268,745	120,191	1,740,964
Economic Development	41,021	8,028	7,089	7,089	7,089	70,314
Environmental Programs	250	250	250	250	250	1,250
Facilities Management	39,953	19,931	13,975	13,975	13,975	101,809
Finance	4,700	-	-	-	-	4,700
Fire Protection	34,005	-	-	-	-	34,005
Historic Preservation & Planning	15,503	-	-	-	-	15,503
Housing	89,562	10,017	9,750	9,750	8,365	127,443
Human Services	600	-	-	-	-	600
Information Technology	31,082	34,387	26,748	26,748	26,748	145,712
Libraries	9,278	955	955	955	955	13,098
Neighborhood Services	7,369	1,775	450	-	-	9,594
Non-Departmental Capital	203,223	102,818	103,325	103,824	104,320	617,510
Parks, Recreation & Mountain Preserves	109,500	46,550	33,550	34,731	45,244	269,575
Phoenix Convention Center	169,543	3,557	6,705	3,066	2,203	185,073
Police Protection	20,982	7,000	7,000	7,000	8,500	50,482
Public Art Program	7,686	3,375	1,551	2,711	250	15,572
Public Transit	515,979	214,698	294,985	215,580	300,768	1,542,009
Regional Wireless Cooperative	6,001	6,001	6,001	6,001	6,001	30,005
Solid Waste Disposal	28,338	18,632	14,269	5,507	3,396	70,142
Street Transportation & Drainage	358,555	161,886	147,782	149,646	131,990	949,859
Wastewater	509,355	413,780	341,734	205,451	238,281	1,708,599
Water	387,777	517,329	448,303	378,122	341,434	2,072,965
Total	3,158,239	2,007,519	1,812,820	1,439,150	1,359,958	9,777,686





REQUEST FOR QUALIFICATIONS

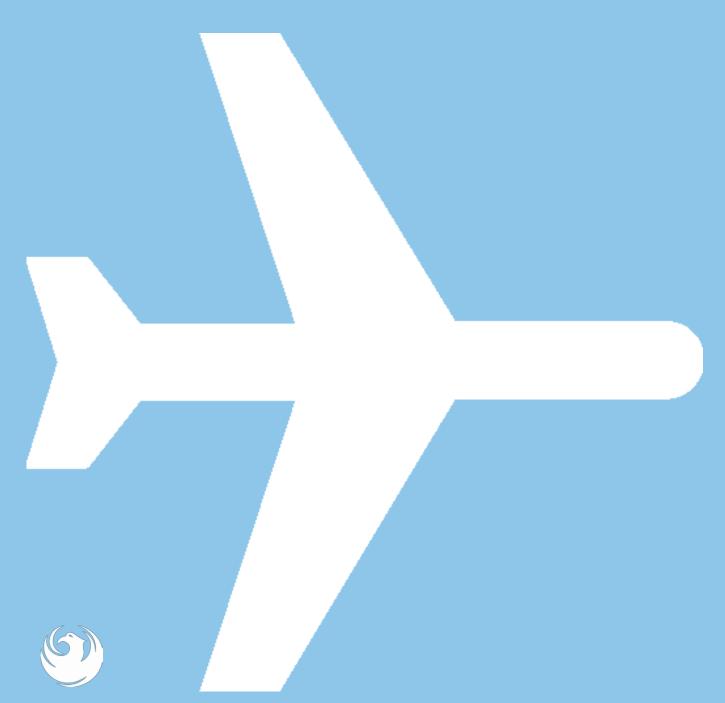
PHOENIX SKY HARBOR INTERNATIONAL AIRPORT TERMINAL 3 NORTH CONCOURSE 2 PACKAGE NO. 3 AIRPORT CONCOURSE ARCHITECTURAL SERVICES AV08000087, AV13000003 FAA

PROCUREPHX PRODUCT CATEGORY CODE 906000000

RFx 6000001347

SOQ SUBMITTAL TIPS

REVIEW PROJECT REQUIREMENTS
ATTEND PRE-SUBMITTAL MEETINGS
READ RFQ THOROUGHLY
NICHE – PARTNER FOR EXPERIENCE
BE CLEAR, CONCISE, COMPLETE
PROOFREAD
DON'T WAIT UNTIL DEADLINE



TIPS AND TRICKS FOR SUBMITTALS

- ONLY USE BLACK FONT
- PRACTICE SUBMITTING THE DAY BEFORE SOQS ARE DUE
- CONFIRM ALL REFERENCES WERE SUBMITTED
- PROOFREAD AND SPELLCHECK
- DO NOT USE EXTERNAL LINKS OR QR CODES
- FOLLOW THE ORDER OF THE RFQ CRITERIA
- VISUALLY TELL THE FIRM'S STORY –
 TRY NOT TO BE TEXT HEAVY
- UPDATE VENDOR REGISTRATION WHEN NAME OR OTHER INFORMATION CHANGES

CALL FOR BIDS

PHOENIX SKY HARBOR INTERNATIONAL AIRPORT TERMINAL 4 SOUTH 1 CONCOURSE CONCRETE APRON DESIGN-BID-BUILD PROJECT NO. AV08000083 - FAA AIP NO. 3-04-0029-0XX-20XX

PROCUREPHX PRODUCT CATEGORY CODE 912000000

RFx 6000001010

BIDS WILL BE DUE: TUESDAY, SEPTEMBER 15, 2020 AT 2:00 P.M. SUBMITTED INTO THE DESIGN AND CONSTRUCTION PROCUREMENT BID BOX LOCATED ON THE 1ST FLOOR LOBBY OF THE PHOENIX CITY HALL BUILDING, 200 W. WASHINGTON STREET. PHOENIX. ARIZONA. 85003

BIDS WILL BE READ: TUESDAY, SEPTEMBER 15, 2020 AT 2:30 P.M. VIA WEBEX VIDEO / PHONE ACCESS

*All times are local Phoenix time

SCOPE OF WORK

The City of Phoenix is seeking a qualified contractor to provide construction services for the construction of the Terminal 4 South 1 Concourse Concrete Apron (T4S1) at Phoenix Sky Harbor International Airport.

The scope of work consists of constructing the new concrete aircraft apron around the currently under construction Terminal 4 South Concourse Number 1. The project consists of the construction of approximately 48,000 square yards of apron pavement and includes, but not limited to the following work items: airfield concrete pavement, GSE/Vehicular concrete pavement, asphalt pavement, pavement base course, drainage structures, jet blast deflection systems, minor electrical work, bollards, manhole and storm drain adjustments, and pavement joint sealants. All work will be constructed in accordance with FAA Standards. Work will be performed in conjunction and cooperation of the ongoing construction of the Terminal 4 South 1 Concourse.

This is a federal-aid project. The prevailing basic hourly wage rates and fringe benefit payments, as determined by the Secretary of Labor pursuant to the provisions of the Davis-Bacon Act, shall be the minimum wages paid to the described classes of laborers and mechanics employed or working on the site to perform the contract.

This project will utilize federal funds and is subject to the requirements of 49 Code of Federal Regulations Part 26 and the U.S. Department of Transportation DBE Program.

No Disadvantaged Business Enterprise goal has been established for this project.

The City of Phoenix, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252.42 U.S.C. §§ 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

PRE-BID MEETING

C.F.B. - 1

Revised 4/20

BID SUBMITTAL TIPS

READ IFB PACKET THOROUGHLY
REVIEW PROJECT SPECIFICATIONS
ATTEND PRE-BID MEETINGS
ASK QUESTIONS
PROOFREAD
DON'T WAIT UNTIL DEADLINE

WOW THE PANEL



SOQs

- ✓ RESEARCH THE PROJECT
- ✓ KNOW THE ISSUES/CHALLENGES
- ✓ UNIQUE APPROACH
- ✓ EXPERTISE / SIMILAR EXPERIENCE

INTERVIEWS

- ✓ A-TEAM
- **✓** REHEARSE
- ✓ MULTIPLE PEOPLE PARTICIPATE IN PRESENTATION
- ✓ WHAT DO YOU BRING TO THE PROJECT



- MEET WITH CONTRACTS SPECIALIST FOR DEBRIEF
- REVIEW SCORES AND COMMENTS
- PUBLIC RECORDS REQUEST
- REVIEW WINNING SOQ
- ATTEND SELECTION PANEL TRAINING
- KNOW EACH PANEL IS UNIQUE
- GET FEEDBACK EVEN WHEN YOU WIN A PROJECT
- KEEP SUBMITTING ON PROJECTS

GET FEEDBACK

QUESTIONS?



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DEBRA.RUSSELL@PHOENIX.GOV 602-256-3444

