



**DEPARTMENT OF AVIATION
CITY COUNCIL ORDINANCE REQUEST SUMMARY
On-Call Airside and Landside Engineering Services**

Why On-Call Contracts

On-call contracts allow DEN to swiftly operate and respond to matters needing immediate attention. For instance, when equipment breaks down or we have pavement needing immediate repair, a task notice proposal request is sent to each of the firms within the on-call. Within a matter of days, rather than months, we can get “mini-bids” back from our on-call partners and then select the apparent low bidder/best response to meet our immediate needs. Without the use of on-call contracts, DEN would be unable to respond to unforeseen and immediate needs that arise at an airport. Additionally, on-calls offer efficiency and transparency. Each quarter, any utilization from these on-call contracts is reported to City Council.

Purpose and Use of Agreements

The purpose of these on-call contracts is to maintain a pool of available contractors to perform various on-call engineering tasks. The scope of work for each task will be defined on an individual basis and may include studies, designs, contract documents, bidding services, construction administration, testing and reporting, scheduling and cost estimating, surveying, or other airside and landside engineering services. Projects may include the rehabilitation of airfield concrete pavements and asphalt pavements, airfield electrical and lighting systems rehabilitation, improvement of the drainage within a project area, demolition, earthwork, utility construction, relocation, and rehabilitation, and the development of construction safety and phasing plans, all in accordance with FAA standards. Landside projects may include civil design, roadway, highway, and freeway design, hydraulic and stormwater design, traffic studies, electrical design, work zone traffic control design, preparation of cost estimates, preparation of specifications, field survey, project scoping, and pavement evaluation.

Contracts Description

There are three On-Call Airside and Landside Engineering Services contracts in this submittal. Each contract has a term of three years which is set to commence from the date of execution of the contract. Each contract has a maximum contact capacity of \$3,000,000.00.

Vendors

| | |
|--------------------------------|-----------|
| Jacobs Engineering Group, Inc. | 202055624 |
| Jviation, A Woolpert Company | 202158114 |
| RS & H, Inc. | 202158115 |

DSBO Goals

The goal established for this project was 28% MWBE participation. All three of the selected contractors have committed to meeting this goal.



Types of projects using these On-Call Airside and Landside Engineering Agreements

- **Airfield Design:**
 - Perform design, and prepare plans, specifications, special provisions, cost estimates, design analysis reports, and bid documents for the construction and the rehabilitation of airfield pavements, electrical and lighting systems, and drainage systems. Include storm drainage design in accordance with DEN Storm Drainage Master Plan.
 - Provide construction safety and phasing plans for closed pavements and safe vehicular traffic during construction.

- **Structural Design**
 - Perform structural design analyses of pavement and drainage structures and prepare plans, specifications, special provisions, design analysis reports, cost estimates and bid documents for construction or rehabilitation.

- **Roadway Design**
 - Perform design, and prepare plans, specifications, special provisions, cost estimates and bid documents for construction of roadways.
 - Perform traffic signal calculations and designs. Include storm drainage with roadway design in accordance with DEN Water Quality Master Plan.
 - Perform designs for traffic safety improvements. Provide construction phasing and traffic control plans for safe vehicular and pedestrian traffic during construction. Project plans may involve street locations for resurfacing, reconstruction or upgrading. Pavement analysis and evaluation may be performed.

- **Bridge Design**
 - Perform structural design analyses of bridge and related structures and prepare plans/specifications, special provisions, cost estimates and bid documents for construction or maintenance of bridges and structures. Project plans may involve including adjacent street or roadway design.
 - Perform design for safety improvements.
 - Provide construction phasing and traffic control plans for safe vehicular and pedestrian traffic during construction.

- **Parking Facilities:**
 - Perform design, and prepare plans/specifications, special provisions, cost estimates and bid documents for maintenance/construction of parking facilities.

- **Miscellaneous Design Services**
 - Perform separate designs to address construction safety and phasing, project safety, conflicts and relocation of existing utilities, the effect of construction on adjacent properties, and other tasks as assigned.



- **Construction Phase Support Services**
 - Review submittals and shop drawings, respond to contractor requests for information, attend project status meeting, assist with review of progress on project site, assist with development or review/response of change orders and change requests, and perform material takeoff/estimates associated with changes. Perform miscellaneous emergency engineering and design services. Update construction documents to reflect as-built conditions from documentation provided by owner upon completion of construction activities. The record drawings shall be provided to meet DEN Digital Facilities and Infrastructure standards.

- **Geotechnical Investigations and Other Pre-design Services**
 - Perform soil borings, boring logs, test cores, laboratory tests, analyses and recommendations for appropriate action.
 - Perform pre-design studies in support of designs. Locating existing utilities through research and verify location by potholing.

- **Survey and Mapping:**
 - Perform and prepare surveys for design and mapping and referencing the features within and adjacent to the project limits necessary for successful construction of the project in accordance with DEN's current standards and coordinate system.