



DEPARTMENT OF AVIATION CITY COUNCIL ORDINANCE REQUEST SUMMARY DEN On-Call Geospatial Support Services

Purpose and Use of Agreement(s)

DEN is a multi-platform organization, supporting geographic information system mapping (GIS), AutoCAD and building information modeling (BIM) users. The selected consultant(s) will supplement staff efforts to enhance those software capabilities through data creation and analysis. The consultant(s) will have demonstrated airport geospatial experience with cross platform data interoperability so that these different resources can all be used to better deploy available data to users. The existing ArcSDE (spatial database engine) database is the primary storage point for data which is used on the various platforms for design related tasks.

Although exact duties will be determined through a Task Authorization, and may vary from the broad list below, the consultant will demonstrate a team capable of providing professional expertise in the subject areas including airport geospatial surveying, data management, analyses, modeling, surveying, civil engineering, cost estimation, and FAA AC 150/5300 18C survey and data compliance. The contract budget is based on historical work estimates and anticipated work to be performed.

Contract(s) Description

Contract Name: DEN On-Call Geospatial Support Services
Contract Term: Three years, with two (2) one year extensions
Maximum contract(s) liability is 700k for each contract.

Vendor(s)

Contract #: 202054609 – HNTB Corporation
Contract #: 202158904 – Woolpert, Inc.

DSBO Goals

Goals: M/WBE – 15%
Yes, both vendors have committed to meeting this goal.

Types of Projects using this DEN On-Call Geospatial Support Services Agreement(s)

- Airport GIS Surveying/Data Management/Analyses/Modeling
 - Aerial photography, as well as planimetrics, digital elevation/terrain models, etc.
 - Schema development and updates
 - Data collection and attribution
 - Data conversion (AutoCAD, BIM, GIS)



- 3D analysis
 - Custom mapping and analyses
 - System support
 - Automation and scripting
 - Indoor and outdoor geospatial data/tools/models (e.g. ArcGIS Indoor, ArcGIS Urban)
 - 3rd Party geospatial data interoperability (e.g. Apple, Google, etc.) standard
 - Quality checks to ensure compliance with FA AGIS requirements
- Surveying/BIM/Civil Engineering/Cost Estimation
 - Interior and exterior LiDAR/3D scanning
 - Post processing and model updates (GIS, Civil 3D, and Revit)
 - FAA Airport Exhibit A Surveys
 - Civil 3D studies
 - Cost estimating or proposed planning projects such as cut/fill requirements, horizontal work (runways, taxiways), vertical facilities, utilities, etc.