



# AIRPORT ENGINEERING

You can depend on Hanson to provide the engineering services you need to keep your airport's operations running smoothly.

Whether we're using an unmanned aerial system (UAS) to gather data; getting our hands dirty for a geotechnical challenge; tackling a drainage issue; or rehabilitating runways, taxiways, access roads or parking areas for more efficient use, you can trust that our top priority is keeping your customers and employees safe and on their way.

We can implement asset management solutions, including determining a pavement condition index (PCI) rating, to help you optimize your life-cycle costs and facilitate asset preservation. We also offer a number of sustainability services to help shrink your costs and your carbon footprint.

## CREATING CUSTOMIZED SOLUTIONS FOR YOUR AVIATION NEEDS

*Our aviation professionals bring diverse experience from a wide range of general aviation and commercial service hub airport projects.*



# WORKING BY YOUR SIDE TO MEET YOUR NEEDS

Hanson's airport engineering services include:

## Engineering Design

- landside facilities, including access roads and parking
- airfield facilities, including aprons, runways and taxiways
- airfield electrical services, including landing aids, lighting and signage
- GPS/GIS/CADD services

## UAS Services

- inspections
- mapping
- surveys
- photography and videography of project sites
- wetland delineations
- flood monitoring
- utility corridor inspections
- vegetation management
- aviation obstruction surveying

## Construction Services

- construction administration and management
- design-build
- resident construction observation
- quality control services

## Asset Management Services

- accurate and complete asset inventory
- asset condition assessments
- asset condition forecasting
- information to develop maintenance and replacement programs
- planning and budgeting data for capital improvements
- project priority lists

## LEED and Sustainable Design Services

- assistance with LEED certification
- building or facility reuse
- design
- site selection
- controllable systems (lighting, thermal comfort)
- water efficiency
- energy efficiency
- indoor environmental quality
- materials selection (recycled materials and content, low-emitting materials selection)
- materials reuse

## YOU CAN COUNT ON US

When you choose to trust us with your aviation goals, we will use our broad scope of experience to formulate a plan that will fit your vision, budget and schedule. We have worked on hundreds of airport projects at locations worldwide, including layout and master plans and land acquisition services, as well as design and construction services for projects ranging from apron expansions to new runways with associated navigational aids.

From start to finish, you will appreciate our professionals' hands-on approach, and you will benefit from our understanding of your needs as well as our responsiveness to your questions and concerns. You can count on us to be your partner.



[www.hanson-inc.com](http://www.hanson-inc.com)

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