

## JESSICA WYATT

### Associate Vice President

Jessica has 19 years of experience in transportation and airport facilities planning and is a project manager in HNTB's national aviation market sector. She leads our west division aviation planning department and facilitates coordination with the aviation engineering and construction management departments. Jessica has extensive experience managing a broad range of projects and tasks at more than 20 airports across the country and has served as the Project Manager on HNTBs Oakland, San Francisco and City of Phoenix Aviation Department on-call contracts.

Jessica is also an industry leader in airport landside facilities planning and ground transportation operations analysis. Most recently she worked at Minneapolis, Kansas City, Chicago, Denver, Palm Springs, San Francisco, San Diego, Phoenix Sky Harbor and Oakland International Airports developing ground transportation and parking facility requirements, on- and off-site traffic analysis, and landside development concepts. She has managed roadway and curbside simulation tasks, including projects at Minneapolis, Oakland and San Francisco International Airports to support terminal development programs. Experience also include parking rate analysis and planning studies, commercial vehicle operational analysis, and roadway, curbside and rental car facilities planning.

### Representative Project Experience

**Minneapolis-St. Paul Metropolitan Airports Commission, On-Call Planning Services, Minneapolis, MN** - Jessica is serving as the landside task lead for the fast-tracked update of the Long-Term Comprehensive Plan. HNTB is responsible for updating passenger forecasts, coordinating directly with Delta Airlines to explore likely schedule scenarios and strategic plans related to operations at MSP. The updated forecast reflects projected operations through 2035 and represents several scenarios of airline operations between the two terminals at MSP. Using these forecasts and associated gating scenarios, Jessica updated curbside, roadway and parking requirements. To further analyze the significant congestion issues at Terminal 1, Jessica is leading the development of a VISSIM traffic simulation model which is assessing the baseline conditions on the departures and arrivals levels and evaluating curbside operations under alternative curbside layouts to determine if they result in significant operational improvements over existing conditions. As part of this effort she led a comprehensive landside survey which included curbside classification counts, dwell time and vehicle occupancy observations.

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**Firm**  
HNTB Corporation

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**Education**  
MS/2000/Civil Engineering, University of Washington, Seattle  
BS/1996/Civil Engineering, Georgia Institute of Technology, Atlanta

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**Professional Registrations**  
1996/Engineer-in-Training

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**Professional Affiliations**  
WTS

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**Hire Date with HNTB**  
2005

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**Years of Experience with other Firms**  
Entered the profession in 1996

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**Kansas City Aviation Department, Kansas City International Airport New Terminal Study, Kansas City, KS** - Jessica is the task lead for the ground transportation components of the New Terminal Study for Kansas City International Airport. The project includes all new landside facilities including terminal roadways, curbsides and parking. Jessica led the development of the program requirements, alternatives and refined landside plans. The parking components are comprised of a new 6,500 space parking garage and 1,500 space surface lot behind the garage. Jessica led the development of garage layouts and coordinated with the terminal team and airport staff to ensure the layout met all of the program requirements. Pedestrian flows through the facility were identified and alternatives to incorporate a commercial curb within the garage footprint were developed.

**As-Needed Airport and Environmental Planning Management Consulting Services, San Francisco, CA** - Jessica served as the project manager for this as-needed contract which included terminal, airfield and landside planning tasks. Terminal planning tasks included the development of alternatives for Terminal 1 redevelopment and planning for Terminal 3/Boarding B. In addition, Jessica specifically led the development of a VISSIM traffic simulation model to assess future curbside operations after Terminal 2—the former international terminal—reopened for domestic airline operations. The project included technical and analytical support to evaluate the operational performance of the entire domestic terminal roadway loop (Terminals 1, 2 and 3); determine any deficiencies in the proposed Terminal 2 curbside configuration; and identify specific geometric and operational improvements that the Airport could implement in the near term. It was later updated to add the International Terminal curbsides and link the roadway networks.

**Oakland International Airport As-Needed Aviation Planning Services, Oakland, CA** - Jessica serves as the project manager for the as-needed contract providing aviation planning and preliminary engineering services for Oakland International Airport. The scope of services has included performing planning and preliminary engineering for airfield and airspace, terminal, ground transportation and parking facilities. As part of the terminal area alternatives refinement study ten terminal area alternatives were developed for evaluation. The preferred alternative was refined using curbside and airside simulation. Jessica led the development the VISSIM model that was used to assess the roadway configuration and based on the results of the model the proposed new terminal and curbside were reconfigured to accommodate a baggage claim building separated from the ticketing area allowing the curbside to operate similar to a two-level roadway maximizing capacity. A detailed landside plan was then developed identifying the proposed curbside configuration, commercial vehicle zones, parking structure, pedestrian crosswalks and rental car facilities. Based on this concept a project definition manual for a new 20-gate terminal, curbsides, roadways, parking garage and replacement central utility plant was developed. Jessica built a financial spreadsheet model to estimate parking demand and revenue from existing and proposed facilities. Parking revenue

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calculations included evaluating alternative parking rate scenarios, locations of facilities, and bussing costs.

**Phoenix Sky Harbor International Airport, Airport Planning On-Call Services, Phoenix, AZ** - Jessica serves as the project manager for this on-call services contract that covers three City of Phoenix owned airports: Phoenix Sky Harbor International Airport, Phoenix Deer Valley Airport and Goodyear Airport. Tasks Jessica has overseen under this contract range from terminal and airfield planning to landside focused studies. Jessica specifically led the development of a comprehensive airport parking master plan under this contract. The study forecasted future parking demand and identified opportunities for parking development to meet the forecasts and align with key airport development milestones. Jessica routinely presented updates to the Aviation Department Deputies and Executive Team, building consensus on the study recommendations and long term plan.

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**Minneapolis-St. Paul International Airport, MSP 2020 Improvements Environmental Assessment, Minneapolis, MN** - Jessica served as the Landside Planning Task Lead for this study and was responsible for the landside facility requirements analysis, landside concept development and on-site traffic analysis. The project included updating work completed in the airport's previous long term comprehensive plan and assessing two airport development alternatives included in the EA. These alternatives included maintaining existing airline allocation among the terminals which resulted in the need for significant landside improvements at, already congested, Terminal 1 and a reallocation of airlines to Terminal 2 which then required additional landside facilities to meet demand. VISSIM was used to evaluate the existing and forecast requirements and level of service of the roadways and parking entrance/exit plazas operations.

**Palm Springs International Airport, Master Plan and Near Term Master Plan Improvements EA and Initial Study, Palm Springs, CA** - Jessica was the landside planning and traffic impact study task lead responsible for landside analysis and concept development under the Palm Springs International Airport Master Plan and led the traffic impact study for the EA and Initial Review of near-term improvements in the Master Plan. The traffic study used Syncro to evaluate signalized intersections. The comprehensive near-term improvement plan identified in the Master Plan Update includes a range of improvements affecting traffic including a proposed consolidated rental car facility, parking expansion and re-direction of roadways on and around the airport limiting non-airport traffic from using on-airport roadways to bypass City streets.

**San Diego International Airport, Master Plan and Traffic Impact Study for the Airport Master Plan Environmental Impact Report, San Diego, CA** - Project Manager responsible for a traffic impact study conducted as part of the environmental impact report for the Airport Master Plan. The study assessed future on- and off-site traffic conditions and associated impacts resulting from implementation of proposed terminal, parking, rental car, general aviation, cargo and support facilities under the master plan's recommended development, alternative and long-term

land use plans. Syncro and other traffic analysis tools were used to evaluate roadway and intersection operations. Jessica also oversaw landside components of the Airport Master Plan including requirements and concept development of curbside and parking alternatives. Work included preparing conceptual layouts for a 10,000 space consolidated rental car facility. Each layout accommodated a structure with the spaces, a 10 acre quick-turn-around facility and a customer service building.

**Chicago Department of Aviation, Chicago O'Hare International Airport West Terminal Development Program, Chicago IL** - Jessica was the landside task lead responsible for developing the West Terminal Development Program landside components. Under the program a number of terminal configurations for development on the west side of the airport, where no current terminal facilities exist, were assessed to address various airline gating scenarios. Jessica developed parking, access roadway, curbside and rental car requirements and alternatives, including rental car quick turn-around facilities for the terminal and collateral development alternatives. A component of this project also included creating a portal to providing passenger access from the west side of the Airport to the existing east side terminal facilities.

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**San Diego County Regional Airport Authority, San Diego International Airport Destination Lindbergh, San Diego, CA** - As the landside task lead, Jessica was responsible for ground access and intermodal components associated with the long range plan for the airport. Tasks included development and evaluation of parking, rental car and curbside facilities for a passenger terminal, an intermodal transportation center, connecting to the local and regional rail lines, and roadway and freeway access improvements to serve terminal processing facilities on the north side of the airfield, where no airline passenger functions exist today. This project included extensive coordination with local and regional transportation agencies.

**City and County of Denver, Denver International Airport South Terminal Redevelopment Program, Denver, CO** - Jessica was the task lead responsible for landside planning, including curbside and parking facilities under the South Terminal Redevelopment Program. The program includes a hotel, train station and plaza in addition to a terminal located south of the existing terminal. The team analyzed the ultimate capacity of the existing terminal, including any modifications to the terminal and curbsides that would be required to process the maximum number of passengers before expanding to a new facility. Jessica led the development of curbside and parking layouts for the new hotel and conference center along with curbside and roadway modifications required to expand the terminal in the future. Consideration was given to future parking expansion and the location for a new terminal garage was identified.