



FOR IMMEDIATE RELEASE:

PHX Sky Train®—Stage 2 at Sky Harbor International Airport Earns Envision Gold Award for Sustainable Infrastructure

Daily vehicle count at the airport to be reduced by 20,000, reducing congestion and improving passenger experience and safety as second phase of automated people mover comes online.

WASHINGTON, D.C. – April 30, 2020 – The Institute for Sustainable Infrastructure (ISI) announced today that Stage 2 of Phoenix’s Sky Harbor International Airport Sky Train (PHX Sky Train®) is the recent recipient of an Envision Gold Award for sustainability. This is the airport’s first Envision award and the third Envision-awarded project in the State of Arizona.

Stage 2 of the PHX Sky Train® is underway at the Sky Harbor International Airport. This is an extension to the existing 3.2-mile PHX Sky Train, which currently operates between the 44th Street PHX Sky Train station and Terminal 3. When Stage 2 is complete and fully operational in 2022, it will extend another 2.5 miles to the airport’s rental car center. The project includes:

- aircraft bridges that will carry two future taxiways over the train system;
- an elevated station which will accommodate parking, ground transportation, and future development;
- an elevated rental car center station built directly into the existing rental car center at the airport;
- three traction power substations to provide power to 24 additional transit vehicles.

The project aims to enhance customer service and improve accessibility, ease traffic congestion on Sky Harbor Boulevard, and make travel easier and more efficient between terminals. The project will serve as a catalyst for long-term airport growth and adjacent private development. It also helps support the airport’s sustainability goals as it will help reduce the daily vehicle count by an estimated 20,000 vehicles per day. The project is funded from rental car facility charges and airline passenger facility charges; no taxpayer dollars are being used to fund this state-of-the-art, sustainable project.

The City of Phoenix Aviation Department worked in close collaboration with several project partners to deliver this award-winning sustainable project, including Gannett Fleming, Inc. (Engineer of Record); Smith Group (Architect); Hensel Phelps (Contractor); Kimley-Horn (Engineering Subconsultant); J2 (Landscape Architect) and Golden

Engineering (Lead Envision Consultant). The Construction Management-At-Risk (CMAR) project delivery model was used to fast-track delivery, allowing for overlapping design and construction phases.

“ISI is pleased to present the Envision Gold Award to the City of Phoenix Aviation Department and their project partners for Phase 2 of the PHX Sky Train project,” said Melissa Peneycad, ISI’s managing director and director of sustainable projects. “The PHX Sky Train eliminates the need for shuttle busses and cars between airport terminals and passenger facilities, reduces road congestion, and encourages the use of more sustainable transportation options, making this automated people mover project an excellent example of sustainability. Hopefully, this project will encourage other major airports to consider ways to reduce their own environmental footprint.”

“The Sky Train program, from its early planning stages, has always strived to improve airport access and passenger experience with a transit system that is operationally highly efficient and sustainable. The success of the system in terms of ridership, reduced congestion, and highly favorable reviews from passengers and airport employees speaks to the system’s function and efficiency,” said Mark Pilwallis, PE, SE, SCBI, a Gannett Fleming vice president and project manager. “The Envision Gold Award is truly exciting for our team – it confirms that our approach to the design and delivery of the project meets a high standard for sustainability. It also clearly shows that the City of Phoenix’s basic criteria and approach to developing sustainable infrastructure is among the best in the country and can be used as a model for others to follow.”

The Envision sustainable infrastructure framework assesses project sustainability across five categories: Quality of Life, Leadership, Resource Allocation, Natural World, and Climate and Resilience. These key areas contribute to positive social, economic, and environmental impacts on a community during the planning, design, and construction of infrastructure projects. Some of the factors contributing to Stage 2 of PHX Sky Train earning an Envision Gold award include:

Increasing service reliability. The grade separated, completely automated, fully monitored people mover system is both safer and significantly more reliable for the traveling public than the series of shuttle busses intermixed with passenger vehicles, taxi limos, busses, and other roadway vehicles it aims to replace. Reliability reports from the existing PHX Sky Train® shows how Stage 2 will help eliminate long shuttle lines, making for a greatly improved experience for the traveling public.

Encouraging travelers to use more sustainable modes of transportation. The PHX Sky Train system is equipped with attractive, eye-catching and informational signage and route information, making the system intuitive, convenient and easy for the traveling public to use. Usage reports from the current PHX Sky Train, coupled with models for Stage 2, show this project will reduce the daily vehicle count by 20,000.

Improved energy efficiency. A number of energy reduction measures were incorporated into this project, resulting in operational energy reductions of 59%. Independent commissioning agents have been contracted for the project to ensure proper and efficient functioning of all energy systems.

Improved infrastructure integration. Throughout project planning and development, the project team worked closely with the City of Phoenix Aviation Department to integrate the extension of the PHX Sky Train with future plans within the airport’s footprint as well as integrate the project with community infrastructure. The PHX Sky Train links the airport’s terminals, major buildings and other facilities, including the car rental center. Before the Sky Train, airport employees and the traveling public had no choice but to rely on cars and a more complicated network of busses. Stage 2 of the PHX Sky Train will provide additional necessary links to airport facilities, as well as the Valley Metro Light Rail System.



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About Gannett Fleming:

Founded in 1915, Gannett Fleming is a global infrastructure and engineering firm that provides progressive solutions for construction services, earth sciences, facilities, geospatial, power, transportation, and water projects. We consistently rank among the industry's top design firms and embrace sustainability, innovation, and advanced solutions to solve our clients' complex challenges and improve the communities they serve. Our 2,500+ employees deliver excellence in planning, design, technology, and project management from more than 60 offices around the world. We are ISO 9001:2015 Certified, which assures clients that we meet the most rigorous and independently audited quality standards. Gannett Fleming achieved \$553 million in revenues in 2019. For more information, visit www.gannettfleming.com.

About Hensel Phelps:

Since its inception in 1937, Hensel Phelps Construction Co. (Hensel Phelps) has developed a reputation for conducting business as a builder in an ethically, socially, economically, and environmentally responsible manner. As employee-owners, the Hensel Phelps Team is committed to making a positive impact within the communities they live and work. Hensel Phelps offers a full range of construction services and is a leader in many construction markets, including Aviation, Aerospace, and Manufacturing. By combining proven processes with the latest technology and world-class craftsmanship, Hensel Phelps builds landmark buildings across the country from eight district offices, including over 2,000 LEED projects.

Hensel Phelps ensures the health and safety of its employees, stakeholders, and those served by the projects that it undertakes and believes that it has a corporate responsibility to minimize its carbon footprint and impact on the environment. Since 1990, the company has maintained a recycling program at all locations and provides waste material sorting areas on projects. USGBC has certified many of the workspaces where its employees conduct business as Platinum, Gold, or Silver. These spaces provide environments where colleagues and partners can realize the benefits of Green technology in the workplace. Hensel Phelps is proud to have more than 300 LEED APs and LEED Green Associates.

About Kimley-Horn:

Established in 1967, Kimley-Horn is a full-service consulting firm offering comprehensive and innovative planning, engineering, and environmental services in aviation, roadway, water resources, utility systems, parking, landscape architecture, traffic and transportation, structural, telecommunication, land use planning, and land development disciplines. Through an unwavering commitment to quality services, professional integrity, and client satisfaction, Kimley-Horn has grown to become one of the top U.S. design firms staffed with a diverse team of more than 4,200 employees in over 95 offices nationwide. In 2019, Engineering News-Record ranked Kimley-Horn No. 21 of the top 500 design firms in the U.S. Our success is a result of the firm's steadfast commitment to providing responsive client service; pursuing continuous quality improvement; and developing sound, cost-effective technical solutions that work in the real world. With Kimley-Horn, you can expect more and experience better. For more information please visit www.kimley-horn.com

About J2 Engineering & Environmental Design:

J2 Engineering and Environmental Design, LLC (J2) was established in 2002, founded on the principles of innovation, design excellence, honesty, integrity, and a commitment to client satisfaction. J2's managing partners emulate these guiding principles and values while continuing to seek out and expand our Team's expertise and design creativity in the fields of landscape architecture, drainage and water resources engineering, and general civil engineering. Our Team's professional experience has been gained through the completion of numerous, successful public works projects over the past 18 years. J2 is unique in that we provide landscape architecture, civil engineering, water resources engineering, and irrigation design all in-house. With this in-house ability, we can maintain excellent quality control and production efficiency resulting in quality construction documents, specifications, and an outstanding end product.

About SmithGroup:

SmithGroup is an award-winning, multi-national organization that employs research, data, advanced technologies and design thinking to help clients solve their greatest challenges.

About Envision®: *Envision is the product of a joint collaboration between ISI, which was founded by three national engineering associations: American Society of Civil Engineers (ASCE), American Council of Engineering Companies (ACEC) and American Public Works Association (APWA), and the Zofnass Program for Sustainable Infrastructure at Harvard University Graduate School of Design. Visit us at www.sustainableinfrastructure.org.*