



Structural Engineering PEDESTRIAN BRIDGE DESIGN



I&S Group has a long history in the design of pedestrian bridge structures. These bridges have included footbridges at golf clubs, maintenance catwalks at industrial facilities, and enclosed skyways for municipalities.

Our varied experience includes numerous bridge types and materials, including steel, concrete, and timber. As with vehicular bridges, the bridge type is generally selected based on the span, support configuration, and design elements. The material type may be dictated by the bridge design, aesthetics, maintenance requirements, cost, and lifespan. Our professional staff will work closely with you to determine the design elements based on your specific needs.

I&S Group is unique in the fact that we have all necessary design disciplines in-house, streamlining the design process and resulting in a cost effective project delivered on time. Other professional services generally utilized on these types of projects include:

- » Architecture – Master Planning, Bridge Design, and 3D Renderings
- » Mechanical Engineering – Heating, Cooling, and Ventilation for Enclosed Skyways
- » Electrical Engineering – Interior and Exterior Lighting
- » Civil Engineering – Hydrologic and Hydraulic Analysis, Modeling, Site Design
- » Environmental Services – Streambank Protection and Wetland Delineation
- » Land Surveying – Boundary and Topographic Survey

Along with the design of new facilities, our structural engineering staff can assist with evaluations of existing structures for condition of the deck, piles, or headwalls, as well as providing load ratings for the existing facility.

For further information on the services we provide, please visit our web site or contact us by telephone.

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