The Story

Parsons Brinkerhoff Construction Services, in a joint venture with Potomac Crossing Consultants, was contracted to design and build a new Woodrow Wilson Bridge connecting Maryland with Virginia. The original six-lane drawbridge, built in the 50’s, was unable to handle the ever increasing traffic volume. Potomac Crossing Consultants’ goal was to anticipate traffic needs over the next 100 years and incorporate those needs into the new design. The project would take about ten years to complete resulting in two new drawbridges with a total of twelve lanes. Two of those lanes would accommodate future HOV/transit travel. There would also be a pedestrian walkway connecting parks and trails of Maryland with those on the Virginia side.

Due to the duration and complexity of the project, Parsons Brinkerhoff needed space to accommodate the workers throughout the planning and construction phases. They needed to house engineers, architects, construction and work crews unique to each phase of the elaborate project. As the bridge construction progressed, the interior of the temporary space would need to be reconfigured, too. They wanted to work with a company that would become an integral part of the team; they wanted Williams Scotsman.
Woodrow Wilson Bridge Project
MARYLAND AND VIRGINIA

We designed (2) five section Redi-Plex Buildings with turn-key construction for each side of the bridge. Each complex accommodated up to 70 engineers, architects and inspectors. We also provided storage containers and standard field offices for the subcontractors. The clear span roof trusses on each building offered columnless space with optimal flexibility. The Interior layout included private offices, conference rooms, larger meeting rooms, kitchens and handicap accessible restrooms. Gypsum walls, which are virtually maintenance free and act as sound barriers, were used throughout the buildings. The HVAC units were equipped with a special system to properly regulate the computer server room temperature. We installed a drop acoustical ceiling for greater sound absorption and ease of access for electrical and telephone wiring. The roofs were constructed of a rubber composite that decreased exterior noise. Custom built decking and canopies adjoined the buildings. Finally, siding panels with a tempered hardboard face enhanced both the appearance and durability of buildings.

Whether its ten months or ten years, our modular office solutions can span the changing needs of the people they serve.

“Williams Scotsman listened carefully to our needs. Often, we didn’t know what we wanted or what our needs were. Williams Scotsman helped us define them.”

GILES NJUMBE
Project Office Engineer

GILES NJUMBE
Project Office Engineer