



Archer Western to Manage Construction of Passenger-Rail Infrastructure - Orlando Int'l Airport

ALL ABOARD!

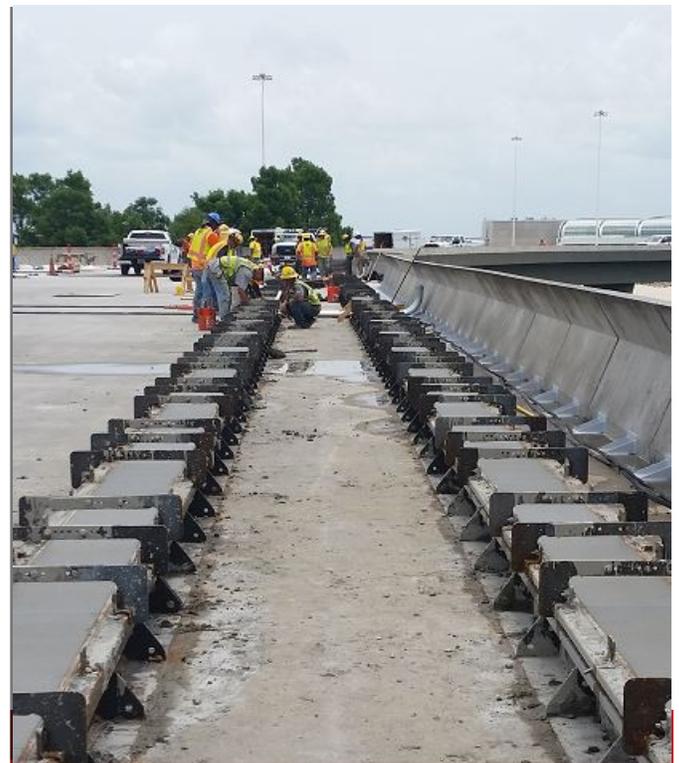
All Aboard Florida has named Archer Western Construction the Manager in charge of construction for the (automated people mover) passenger-rail infrastructure at Orlando International Airport for a reason. Working closely with the Greater Orlando Aviation Authority, Archer Western will be responsible for the construction of the railway, the roadway and related structures for All aboard Florida's intercity passenger trains that begin service from the airport in late 2017.

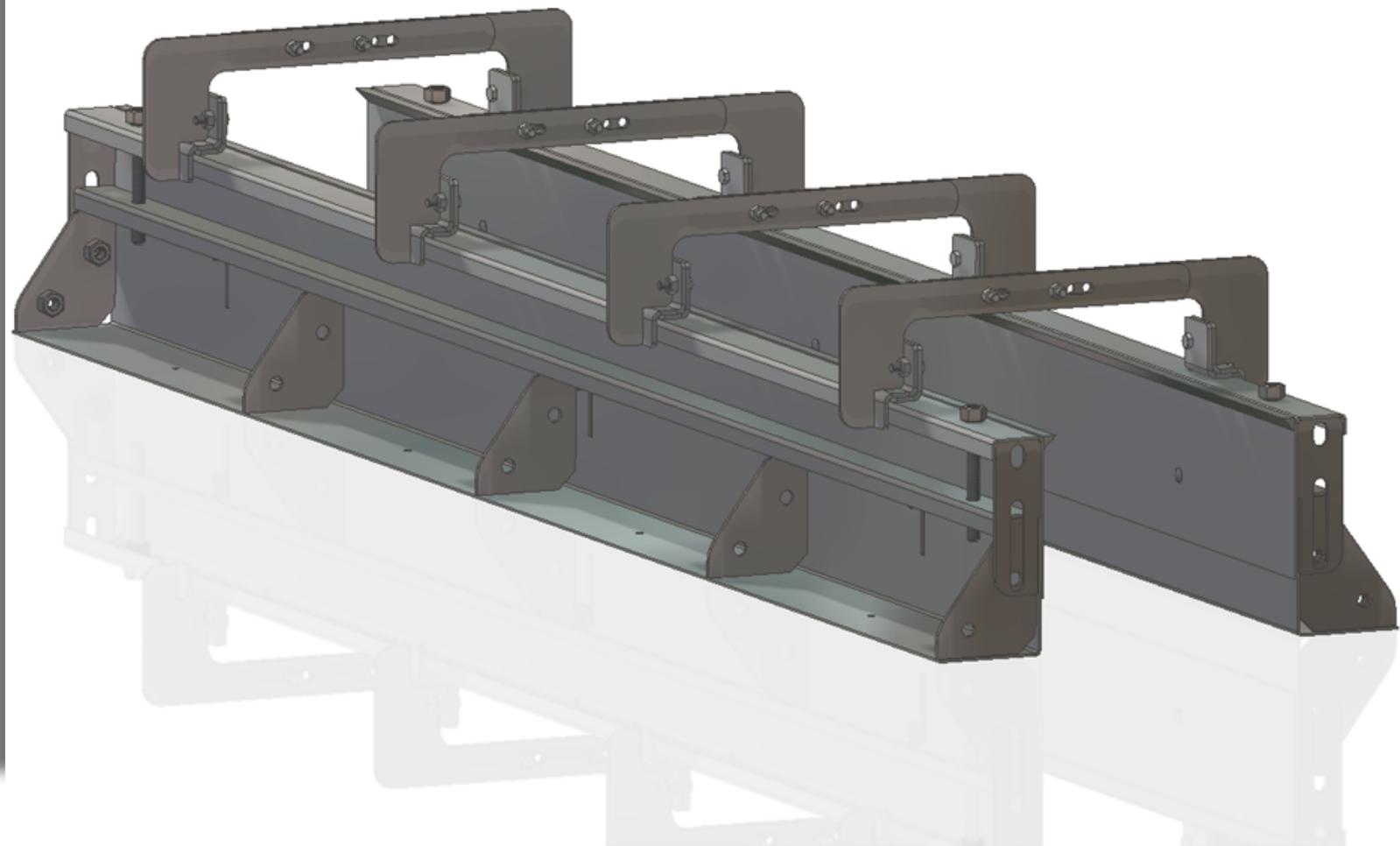
Archer Western will build the running surface (concrete plinths) for the new monorail system. The concrete plinths are roughly 8000 lf long with 4 total tracks and varying in heights from 9" to 12" and then again from 12" to 16". All of the variances are due to elevation differences in the base. However, the concrete plinths are required to be identically level through the course to provide level travel. The contractor required special forms to meet their needs and they contacted Metal Forms in Milwaukee, Wisconsin for a unique solution.

Joey Jordan, Project Engineer for Archer Western, inquired if Metal Forms would manufacture "adjustable" paving forms for their Orlando project. In a collaborative effort with Archer Western, MFC designed paving forms to meet their needs. The forms were custom-fabricated with an adjustable front skin that would lower and raise to heights of either 9" or 12" (12"-16" for the taller form) or any desired sizes in between. The end also had a sliding track to help keep the forms in alignment while adjusting. The design of the form allows the user to slightly skew the form to achieve an uneven top tread.

Another innovation were the four adjustable top spacers per 10' also specially designed to accessorize the forms. The forms were 10' long and manufactured in 10 ga. steel. 5' lengths were also made for the radius portions of the project.

Established in 1983, Archer Western provides design, build, finance and operation services. Archer Western is a member of The Walsh Group, a 117-year old family-owned company, currently ranked as the country's 10th largest mass transit and rail builder, per Engineering News-Record, 2015. All Aboard Florida is the country's first privately owned, operated and maintained passenger rail service. This intercity ride will connect Orlando and Miami with intermediate stations in West Palm Beach and Fort Lauderdale. It will have 16 daily round trips from each terminal traveling up to speeds of 79-125 mpg.





The Adjustable Paving Form is designed to be adjustable from heights of either 9"-12", or 12"-16" with any desired size in between.

The form includes carriage bolts and wing nuts to keep the front skin tight against the base. This also provides a sliding track to help keep the forms in alignment.

The design of the form allows the user to slightly skew the form to achieve an uneven top tread. The recommended skewed distance is not to exceed half of the total adjustment.

12"-16" Adjustable Paving Form

9"-12" Adjustable Paving Form

