

CADY WAY TRAIL BRIDGE

Pedestrian Bridge > Orange County, Florida



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Cady Way is a rails-to-trails project with 685 feet of bridge structure.

Its basket-handle arch was fabricated in three sections to facilitate shipping and then erected on site with bolted flange connections. The arches are connected by 12 individual 20" O.D. by .500 wt struts using bolted flanged connections.

The steel arch has 14 circular segments, each with a different radius. The center segment is the tightest and the end segment is the flattest. Because each segment was precisely bent to the correct radii, the field erection was completed without difficulties. The arch width is 29 ft. at the base and 11 ft. at the top.



Stubs are welded into place to hold the cross ties that run between the arches.



Flanges eliminate the need for field welds.



Welded and painted arch segments are trial fit one last time before shipping.



The arch gets a final inspection.



The painted arch segments are ready for shipment.



The first two arch segments are loaded on the truck.



At the bridge site, the arches are erected.



The final center section, with an arch height of 39 ft., is fitted into place.



Walkways are installed on the finished bridge.