



Atlantic Industries Limited

PROJECT PROFILE



Super•Cor rail overpass makes a grand entrance at Nebraska facility

Road traffic approaching the new 81-20 Grain Terminal near Randolph, Nebraska, passes through a handsome rail loop overpass made from a Super•Cor Arch and MSE Retaining Walls.

Good-looking and hard-working!

The structure completes a well-thought-out architectural statement with its graceful shape and coloured stone finish on the walls and trim that coordinate with the river stone landscaping, concrete roadway and signage treatment. But, it also gets a big job done — supporting heavy 110-car train loads. In fact, Super•Cor's strong corrugation profile can handle multiple lanes of E-80 rail traffic with the added benefits of a 12 m clear span and only 84 cm of cover.

A more environmentally friendly choice

In addition to this solution being more economical than a span bridge, the Super•Cor/MSE Wall structure was also favoured because it did not require deep foundations and made less impact on an environmentally sensitive portion of the site.

Project at a glance:

Project Name: CVA Randolph - Industrial RR Crossing

Location: Randolph, NE

Owner: 81-20 Grain LLC, a Joint Venture: Central Valley Ag (CVA)

Owner: 81-20 Grain LLC, a Joint Venture: Archer Daniels Midland Company (ADM)

Engineer: Olsson Associates

Contractor: Hawkins Construction Company

Product: Super•Cor Arch with MSE Retaining Wall System (Precast Panel Walls)

Application: Rail Overpass

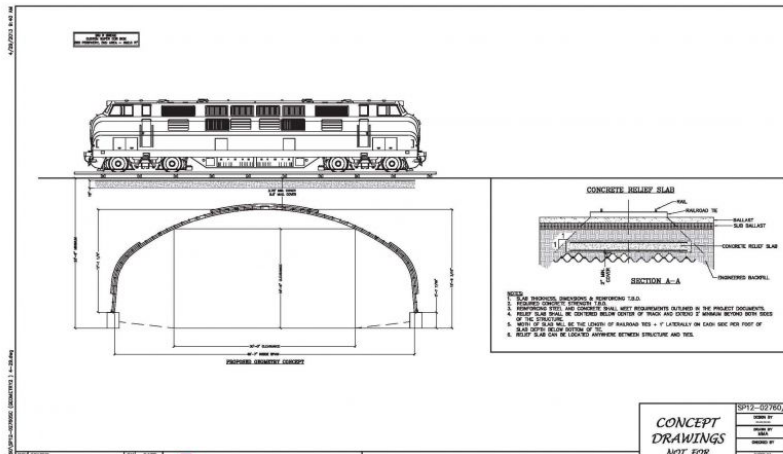
Dimensions: Span 15 m x Rise 5 m

Installation Time: Two months



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The project was delayed due to permits and the owner's issuance of contracts, but we streamlined our processes in the plant and had all material on site within weeks. The owner has used images of the entrance structure in marketing materials and feels it is an attractive benefit to their brand image.

About 81-20 Grain LLC

Located at the intersection of highways 81 and 20, the new 5-million-bushel shuttle loader grain elevator is a joint venture by Central Valley Ag (CVA) and Archer Daniels Midland Company (ADM). 81-20 Grain LLC handles corn and soybeans from regional farmers, primarily for transportation by BNSF shuttle trains to export markets via the US Gulf Coast, Pacific Northwest and Southwest.

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