



ACEGrid® Reinforced Structure on Western Express Highway

Location: Mumbai, India

Application: Reinforced Embankment

Problem :

The Western Express Highway (W. E. H.) is a major north-south link in Mumbai, extending from the outskirts of Bandra to Dahisar and bearing of tremendous increase in traffic on W. E. H. There are several flyovers built over the W. E. H. to avoid regular traffic jams that occur on the Highway, including this project at Dindoshi Junction.



Solution :

The new flyover bridge was entirely separate and parallel from the reinforced embankment of existing bridge to carry more traffic. Ramps with maximum height of 5.1 meters were constructed with High tenacity PET ACEGrid® geogrids as soil reinforcements and unique hexagonal finish was created on the facial panels to achieve pleasing aesthetics to the reinforced structure approaches. After completion, this work was well appreciated by the representatives of Mumbai Metropolitan Development Authority.