

Location: Las Vegas, USA
 Date: September, 2000
 Product type: Enkagrid MAX 20
 Quantity: 45.000m²



The paved streets of a residential area in Las Vegas were constructed directly on soft subgrade without any additional precaution.

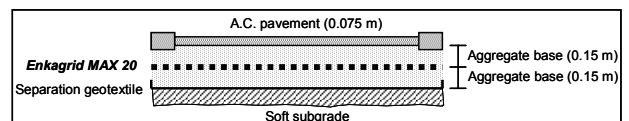
During the past service-time, cracking and rutting of the asphalt concrete surface appeared and the cost to maintain these streets was rising each period. To increase the life expectancy of the pavement and to reduce maintenance costs, the city of Las Vegas was convinced the most efficient option was the use of geosynthetics in the structural section of the road.



The products chosen were the biaxial geogrid Enkagrid MAX together with a separation geotextile. One factor determining the suitability of the relevant products was the reduction of the construction time to a minimum in order to not impede the residents from their homes.

After construction, the city of Las Vegas has now an area which will last for many years and no additional maintenance costs will be spent for the coming period. Due to the ease of handling and the speed of installation of the 5 m wide geosynthetics the construction time was limited significantly.

Enkagrid MAX 20 has a quality control strength of 20 kN/m in both longitudinal and transverse direction.



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