



MACCAFERRI

INDONESIA

Road Widening Project

PAYAKUMBUH – BATAS RIAU

WEST SUMATERA - INDONESIA

Client : DINAS BINA MARGA (Pryek Peningkatan & Pengembangan Jalan)

Consultant : LAPI ITB

Contractor : PT WIJAYA KARYA

Quantity : 75 tons Terramesh

General

The 100 m long, of road widening area at Payakumbuh – Batas Riau was difficult section to construct, because of the lack of level ground. This problem has made the foundation are impossible to build from bore pile or another piles foundation (such as concrete pile or steel pile). Beside that there are some other problem like restricted space of land area usage to do some retaining work, because the position of the road is in the middle of the valley.

For this case, Maccaferri has prepared a solution using terramesh system with brm. All structures was designed 15 m high with 7 m of the tile length. The whole terramesh system was divide into three blocks, with 5 m high for each. The capacity of this retaining structures need for about 75 tons terramesh units. This hard work has been completed in 6 months.

