

Case-History

U.S.A. — Trial: Interstate 80 Maryland

Project : — **TRIAL : Interstate 80 Maryland**
Country : — **United States of America**
Client : — **Pensylvannia DOT**
Contractor : — **SDK Contractors**
Consultant : — **Dr I Al Qadi**
Date : — **June 2001**

DESIGN INFORMATION

Design Type — Reconstruction
Pavement Type — Flexible
Design Axle Load — 120kN
Traffic Life — 8 million E120s
Traffic Growth — 5%
Pavement Configuration — As in diagram
Layer Properties — As in diagram
Life of previous maintenance : — 5 years
Expected life of maintenance : — 8 years (reinforced)
— 6 years (unreinforced)
Visual Description of Road : — Road is in a poor condition with 15mm deep ruts, crocodile cracks in the slowlane wheel paths, and transverse cracks spaced at 2m intervals.
Reason for Road Mesh : — Rutting, Fatigue, Reflection Cracking
Expected Failure Mechanism : — Fatigue cracks in Wheel Paths
Crack Type : — Crocodile/Alligator
Crack spacing : — 1m
Milling Envisaged : — No



MACCAFERRI

Soluzioni
per l'ambiente

INSTALLATION DETAILS;

Length of Reinforced Section :	—	500m
Roll Lengths :	—	50m
Road Mesh Position :	—	Bottom of Overlay
Overlay Thickness :	—	150mm
Mesh Fixing Method :	—	Nailing with Slurry
Was Tack Coat Applied :	—	Yes
Asphalt Mix Type :	—	Gap Graded 13.4mm
Asphalt Paver (Tracks/Wheel) :	—	Tracks
Were cores taken :	—	Yes
Was there good bonding :	—	Yes
Control section :	—	No
Difficulties Experienced :	—	Stockpile of Road Mesh too far from site

ROAD MESH PRODUCT :

Road Mesh Type:	—	Road Mesh Type "L"
DT Mesh Wire Diameter :	—	2.4mm
Reinforcing Bar Diameter :	—	3.9mm (Ridged to Maccaferri Specification PR200-01)
Coating :	—	260gr/sqm zinc alloy



Garanzia di Qualità
La produzione, il sistema di gestione interna e l'assistenza
tecnica sono certificati in conformità alle norme ISO 9002



Soluzioni per l'ambiente
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