

CASE HISTORY

Rev:00, Date : 12.03.2024

CONSTRUCTION OF SATELLITE TOWN RING ROAD (STRR) (WEST SIDE) - NH948A - BALAGONDAPALLI (TAMIL NADU) TO KARNATAKA / TAMIL NADU BORDER FROM KM 144.170 TO KM 179.936, TAMIL NADU
TAMIL NADU, INDIA



Pavement Stabilization

Client:	Products used:
BHARATMALA PARIYOJANA (UNDER TAKEN BY MINISTRY OF ROAD TRANSPORT AND HIGHWAYS)	• TECHPAVE PAVING FABRIC
Manufacturer & Supplier:	Main contractors:
TECHFAB (INDIA) INDUSTRIES LTD.	MONTECARLO PVT LTD.
	Year of Construction:
	2024

Project Description:

The project is a small part of Bharatmala Pariyojana (Under taken by Ministry of Road Transport and Highways). Bharatmala Pariyojana aims to optimize the efficiency of freight and passenger movement across the country by bridging critical infrastructure gaps through effective interventions such as developing Economic Corridors, Inter Corridors and Feeder Routes, improving National Corridor Efficiency, constructing Border and International connectivity roads, Coastal and Port connectivity roads and Green-field expressways. The project covers a total of 34,800 km of roads and will be completed in phases.

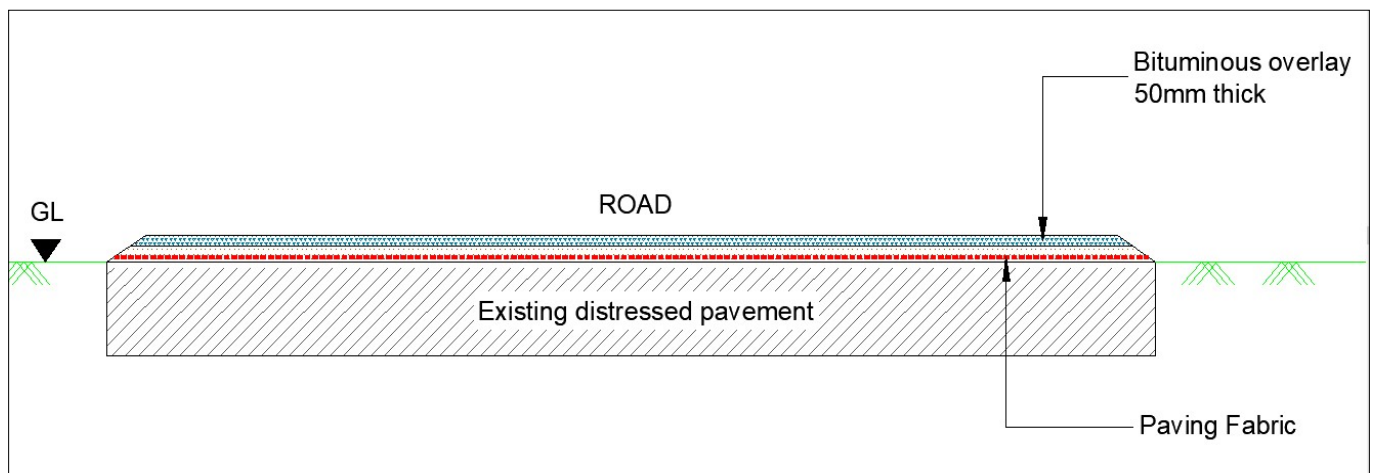
In this project, we are Constructing the Satellite Town Ring Road (STRR) ((West side) - NH948A - from Balagondapalli (Tamil Nadu) to Karnataka /Tamil Nadu border, spanning from km 144.170 to km 179.936 in the state of Tamil Nadu, utilizing flexible pavement.



Photo 1 : Laying OF Tack Coat Before Overlaying of Paving Fabric

Solution:

TechFab (India) Industries Ltd submitted a proposal using TechPave as an interlayer system, also known as Paving Fabric. Paving fabric acts as a Stress Absorbing Membrane Interlayer (SAMI - as per IRC SP 59:2019) in constructing the flexible pavement for the project "Construction of STRR (West side) - NH948A - from Balagondapalli (Tamil Nadu) to Karnataka/Tamil Nadu border from km 144.170 to km 179.936 in the state of Tamil Nadu on Hybrid Annuity Mode under Bharatmala Pariyojana." As per IRC SP 59:2019, this fabric acts as a stress-absorbing membrane interlayer enhancing the durability of flexible pavements.



Typical Cross Section Drawing of Proposed Solution



Photo 2 : Laying of Paving Fabric on Tack Coat

Watch our informative video to learn how to properly install paving fabric in pavement for enhanced durability and performance.

<https://www.youtube.com/watch?v=Jwaj0bhIXJc>



Photo 3 : Laying of Paving Fabric



Photo 4 : Laying of DBM layer



Photo 5 : Compaction of DBM layer

Conclusion:

The project was completed successfully and performing to the intended purpose, to the satisfaction of the client and contractor.

For further details kindly contact :

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