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(54) Title of the invention : INNOVATIVE PRECAST CONCRETE PAVEMENTS AND CONSTRUCTION METHODS TO IMPROVE THE STRESS CHARACTERISTICS OF PAVEMENT STRUCTURES

Daulatpur, Main Bawana Road, Delhi-110042 Shahbad Daulatpur	 (51) International classification (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date Filing Date 	:B28B0007000000, E01D0021000000, B28B0023000000, E04G0017160000, E01D0019120000 :PCT// :01/01/1900 : NA :NA :NA :NA :NA	 (71)Name of Applicant : IMT. S.Lokesh Address of Applicant :Assistant Professor, Department of Civil Engineering, P.S.V College of Engineering and Technology, Krishnagiri, Tamilnadu. Krishnagiri
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(57) Abstract :

(D8) The invention provides a precast concrete pavement and construction method. The precast pillar base and the pillar top positioning plate are used to provide support for the deck slide rail and road side formwork, and the deck slide beam can provide support for the scraper support beam. . and the vibrating support beam; Prestressed oblique braces; When pouring the surface layer poured in place, the vibration of the pouring and the leveling of the surface can be carried out simultaneously; concrete vibration construction is done by plug-in vibrator and flat vibrator; the vertical shape of the tire frame and the tire frame The bottom plate is hingedly connected by a vertical formwork; a ductile transition layer is established between the precast panel and the pavement base; the combination of rigid hangers and specially shaped braces is used to hoist the prefabricated panel; The precast panel can be accurately controlled by the horizontal support of the position control body at the vertical support of the position control body and the vertical support of high place braces is used to find the analysis of the mechanical performance of the pavement bare; the construction of hoisting and placing the precast panel, and improve the mechanical performance of the pavement structure.

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