Amended Claims

1. A semi-prefabricated structural road, characterized in that, said road comprises a plurality of precast concrete blocks (1) laid on a flat foundation and cast-in-situ concrete parts (2) for connecting said plurality of precast concrete blocks with the foundation together, wherein exposed starter bars (31) are provided in advance around said precast concrete blocks (1), and the exposed starter bars (31) provided on the connection joints of adjacent precast concrete blocks (1) are connected with each other, and wherein said cast-in-situ concrete parts (2) are cast at the connection joints between adjacent precast concrete blocks (1) and the remaining regions of the foundation other than the precast concrete blocks (1), and

said precast concrete block (1) is a rectangular, step-shaped structure, with a ~~relatively small~~ first thickness at the edge ~~but a relatively large~~ and a second thickness that is larger than the first thickness in the center thereof, and comprises a thick block body (11) and a step face (12) located around the whole or part of said block body (11), wherein said plurality of starter bars (31) extend outwardly along the side of the block body (11) in a level above the step face, and said cast-in-situ concrete parts (2) are cast on the step face (12), the top surface of said cast-in-situ concrete parts (2) being aligned with that of said block body (11).

2. The semi-prefabricated structural road according to claim 1, characterized in that, hoisting holes (13) for convenient hoisting are provided at four corners on the top of said block body (11) respectively.

3. The semi-prefabricated structural road according to claim 1, characterized in that, supporting rebars (32) extending upwardly are provided in advance on said step face (12).

4. The semi-prefabricated structural road according to any one of claims 1 to 3, characterized in that, an isolation joint (5) is provided between adjacent precast concrete blocks (1) or between the precast concrete block (1) and the adjacent cast-in-situ concrete

part (2), and is filled with compressible fillers (61) or sealant (62).

5. The semi-prefabricated structural road according to any one of claims 1 to 3, characterized in that, sealing strips (63) are provided between adjacent precast concrete blocks (1) or between the precast concrete block (1) and the adjacent cast-in-situ concrete part (2), and located on the top of the cast-in-situ concrete parts (2) at the connections thereof.

6. The semi-prefabricated structural road according to any one of claims 1 to 3, characterized in that, said precast concrete block (1) and cast-in-situ concrete part (2) can be provided with a layer of mortar (71) on the top thereof, upon which paving bricks (72) are laid.

7. A method for paving the semi-prefabricated structural road according to claim 1, characterized in that, the method comprises the following steps:

Step A, laying precast concrete blocks (1) on the surface of the road;

Step B, assembling the starter bars (31) arranged around adjacent precast concrete blocks (1) together at the construction site, and leaving a construction joint between adjacent precast concrete blocks (1); and

Step C, casting concrete at the assembled region of said starter bars (31), in the construction joint and at other parts of the surface of the road to form cast-in-situ concrete parts (2), such that all the precast concrete blocks (1) are connected together.

8. The method for paving semi-prefabricated structural road according to claim 7, characterized in that, the method further comprises the following step:

Step D, laying a layer of mortar (71) on the tops of said precast concrete block (1) and the cast-in-situ concrete parts (2), upon which paving bricks (72) are laid.

9. The method for paving semi-prefabricated structural road according to claim 7 or 8, characterized in that, the method further comprises the following step:

Step E, providing a joint (5) between adjacent precast concrete blocks (1) or between the precast concrete block (1) and the adjacent cast-in-situ concrete part (2), and filling compressible fillers (61) or sealant (62) in the joint.