

5. Development and Practical Use of the Collection Type Digging Machine "YADOKARI-KUN" Method

- Proof of Performance and Development of the Method to Remove an Obstacle -

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Recently, the construction conditions such as "The attainment shaft is not built" and "Connect it directly with the existing structures such as the manhole and underground pipe " increase in shield tunnel method and pipe jacking method.

In a past proceeding to digging machine, the gas cutting dismantlement and the carrying out work in the pit became indispensable after it had reached, and the improvement of the very bad working environment and safety was problems of the pressing need that had to be improved.

To solve these problems, the collection type digging machine "YADOKARI-KUN" was developed. This industrial method is a feature the reuse technology that connects the bolt, makes the main structure part a unit, and enables simple dismantlement and the collection, and can expect the improvement of the working environment and the cost reduction.

In this report, it introduces background of the development and the finding etc. that could be received from some execution worker.

In addition, the feature of the reuse type digging machine is made the best use of, and it reports on the construction method that removes an obstacle forward more safely and more low-cost than the methods so far.

Key words : collection type digging machine, reuse, super-big diameter pipe jacking method, underground joint, obstacle removal