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## **THE FORMATION OF THE SYSTEM OF THE BRIDGES AND THEIR EXPLOITATION IN SLOBODA UKRAINE IN XVIII CENTURY**

### **Summary**

The value importance of bridges and dams in the formation of the land roads system in the territory of Sloboda Ukraine in the XVIII century was highlighted.

The meaning of retrospection mapping method in the study of problems, namely new possibilities of modern GIS was emphasized. The article focuses on the relationship of transport communications and establishment of bridges. The evolution of establishment of the system of bridges in the territory of Slobozhanshchina in the XVIII century was followed by the author. It was indicated that the temporary bridges and the fords across the rivers were typical of the first half of the XVIII century. First bridges built by fascine method appeared in the second of half of the XVIII century. The particular meaning of the watermills in formation of the system the bridges in Slobozhanshchina was accentuated. Therefore the dams often were the bridges crossing. It was shown the main features of the construction of bridges on the roads of the state, districts and country values.

The system for maintenance and exploitation of bridges was described. Namely, based on the archival documents it was shown the dependence of

retention from exploitation and vice versa. The land road communications as well as the bridges used for satisfaction the household needs of Sloboda people. Properly, the repair of bridge crossings made at the expense of the local resources and the forces of the residents. It was accented that their construction and maintenance made by the peasants because it was one of their duties. Special government authorities regulated and provided with the recommendations for their maintenance. The author founded out that the special building of roads and bridges with using of the technical support in the first half of the XVIII century in the territory of Sloboda Ukraine wasn't conducted. There were only several attempts in the end of XVIII century.

***Key words:*** *the construction of bridges and dams, the bridges crossing, the system of land roads, Sloboda Ukraine in the XVIII century.*