

## INDUSTRY-SPECIFIC COST STANDARDS FOR MECHANIZED WORK OF ROAD EQUIPMENT FOR THE FLIGHT MAINTENANCE OF HIGHWAYS

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**Annotation:** At present, the study of the development of an industry standard for mechanized costs of road construction machines, as well as single-bucket excavators used in the flight maintenance of roads, is an urgent task for the industry operating this equipment. Departmental building standards for labor costs of mechanization of modern mechanisms and equipment during flight maintenance of roads include the main technological operations in the above production, and they are performed mainly on modern mechanisms and machines. However, individual technological operations are carried out in flight maintenance, as well as artificially created structures using manual labor. The investigated "Departmental building codes" establish for mechanized work during flight maintenance of highways.

**Keywords:** flight maintenance, departmental norms, machines and mechanisms, excavator, highways, mechanized costs.

### Introduction

The development of an industry standard for the cost of mechanized work for road construction and special machines used in the flight maintenance of roads is an urgent task.

The construction norms of labor costs for the mechanization of modern road equipment for the flight maintenance of highways include the main technological operations for the maintenance of roads and they are carried out mainly on modern road equipment [13,14,15,16,17,18,19,20,21].

It is known that certain technological operations for the maintenance of roads are performed by manual labor. The developed industry cost rate for mechanized work establishes the complexity of performing mechanized work on the flight maintenance of highways [22,23,24,25,26].

The developed industry standard "Departmental Building Regulations" is the main regulatory document for the operation of modern road equipment used in the flight maintenance of highways. The developed departmental building code allows road enterprises to justify the labor costs of modern road construction machines. [1,3,7,9,11]

The main road works were determined during the flight maintenance of highways according to the classifier; identified road construction equipment used in the flight maintenance of highways; The technical and operational indicators of road-building road equipment used in the flight maintenance of roads are revealed and the results of experimental timing work are presented.

A methodology has been developed to create an industry standard for the cost of mechanized work of road-building machines used in the flight maintenance of highways. Calculations have been made and industry-specific cost standards for mechanized work for road equipment used in the flight maintenance of roads have been developed.

Currently, in the enterprises of the road industry, during the flight maintenance of highways, modern road-building and special machines of the leading firms and companies of foreign countries are widely used. [2,4,6,8,10]

The developed industry cost rate for mechanized works for road-building and special machines used in the flight maintenance of roads, for cleaning and washing road signs, signal posts and bollards, as well as painting metal shields of road signs are presented in Table 1. [5,12]

**Table 1. Road equipment cleaning and washing of road signs**

100 pc.:	Cleaning and washing of road signs and signal bollards	Combined road machines		Mach.-hour	14,17	МД-53605, УКМ-2500М, КО-138М, МЕРКАТОР ОМП 253, КО-806-20, КО-829С1, КО-829D Schmidt SC 320
		Construction workers (1 category)		Mach.-hour	14,17	
100 pc.	Cleaning and washing signal bollards and bollards	Combined road machines		Mach.-hour	12,16	МД-53605, УКМ-2500М, КО-138М, МЕРКАТОР ОМП 253, КО-806-20, КО-829С1, КО-829D Schmidt SC 320
		Construction workers (2 category)		person-hour	12,16	
100 pc	Painting of metal shields дорожных знаков	Roadmaster's machines		Mach.-hour	22,5	Auto repairer based on ZIL-133 with a 2-axle trailer 2APS-4,5; MB-16
		Construction workers (2 category)		person-hour	22,5	
		Construction workers (3 category)		person-hour	22,5	

## Conclusion

As a result of the study of the development of an industry-wide rate of mechanized costs for road-building and special machines used in the flight maintenance of roads, according to the results of the study, industry-specific rates of mechanized costs for road-building and special machines used for cleaning and washing road signs, signal posts and pedestals, as well as painting metal shields for road signs. Industry standards have been developed for mechanized costs for road-building and special machines used in the flight maintenance of roads, for cleaning and washing road signs, signal bollards and bollards, as well as painting metal shields of road signs.

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