



South Dakota Department of Transportation
Division of Operations
700 E. Broadway Avenue
Pierre, South Dakota 57501-2558

March 17, 2023

Mr. Craig Smith
Director of Operations
South Dakota Department of Transportation
700 E. Broadway Avenue
Pierre, SD 57501

Subject: Proposed price changes in the Price Schedule for Miscellaneous Items

Dear Mr. Smith:

It is requested the subject item be reviewed for approval at the March 30, 2023 Transportation Commission Meeting. The proposed changes to the Special Provision for Price Schedule for Miscellaneous Items are as follows:

1. Flagging – change from the current rate of \$30.37 / hour to \$36.03 / hour. This item was last updated in 2020 with a change in the profit factor.
2. Pilot Car - change from the current rate of \$43.87 / hour to \$52.75 / hour. This item was last updated in 2020 with a change in the profit factor and equipment rental rates.

These changes are due to recent changes in the rate for the US DOL wage decisions for Laborers, Group GL 1, which is used to establish these rates and updated equipment rental rates. The attached sheet shows specific details concerning the calculation of these rates.

Feel free to contact me if you have any questions or need any additional information.

Sincerely,

Ryan K. Johnson
Senior Specification Engineer

2023 Wage Rate Calculations for Flaggers and Pilot Car

These numbers are based on the current minimum wage rates. These numbers change when the wage rates for Group GL-1 changes.

Flagger Calculation

GL1 Common Labor Wage Rate x Overtime Factor x Overhead Factor x Profit Factor = Flagger Rate

$$\$22.38 \times 1.17 \times 1.251 \times 1.10 = \$36.03 / \text{hour}$$

Pilot Car Calculation

((GL1 Common Labor Wage Rate x Overtime Factor x Overhead Factor) + Rate for 2018 ½ Ton PU 4x2 from Blue Book) x Profit Factor = Pilot Car Rate

$$((\$22.38 \times 1.17 \times 1.251) + \$15.20 / \text{hour}) \times 1.10 = \$52.75 / \text{hour}$$

Overtime Factor Calculation

The Overtime Factor is based on a 60 hour workweek, with all hours over 40 / week being paid at 1.5 times the normal rate.

Regular Wage Hours + (OT Rate x OT Hours) = Total Hours x OT Factor

$$40 \text{ hours} + (1.5 \times 20 \text{ hours}) = 60 \text{ hours} \times \text{OT Factor}$$

$$40 \text{ hours} + 30 \text{ hours} = 60 \text{ hours} \times \text{OT Factor}$$

$$70 \text{ hours} = 60 \text{ hours} \times \text{OT Factor}$$

$$\text{OT Factor} = 1.17$$

Overhead Factor

The Overhead Factor is the amount allowed by Section 9.5 B of the specifications for insurance and tax and is equal to 25.1%

Rate for 2023 ½ Ton Pickup 4x2

The rate for the vehicle is determined as per Section 9.5 D of the specifications (Extra and Force Account Work). This section states monthly equipment cost shall be determined by the rates set forth by the EquipmentWatch Cost Recovery (formerly Rental Rate Blue Book) published by EquipmentWatch, a division of Penton Media Inc. The monthly rate is then divided by 176 hours to determine an hourly rate. This rate is also adjusted for regional factors, age, and operating expenses which are also determined by the EquipmentWatch Cost Recovery.

$$((\text{Monthly Rate} / 176) \times \text{Regional Factor} \times \text{Age Factor}) + \text{Operating Cost per Hour} = \text{Rate}$$

$$((\$565.00 / 176) \times 1.01 \times 1.00) + \$11.96 = \$15.20 / \text{hour}$$

Profit Factor

Profit, at a 10% rate is included in the calculations. Supported by Section 9.5 of the specifications.

**STATE OF SOUTH DAKOTA
DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION
FOR
PRICE SCHEDULE FOR MISCELLANEOUS ITEMS**

APRIL 5, 2023

The following unit bid prices have been established by the South Dakota Department of Transportation Commission.

These prices will be pre-entered in the bidding package for each project or will establish a standard price to be used whenever no project contract unit price exists for that item.

Each unit price listed is considered full compensation for the cost of labor, material, and equipment to provide the item of work and/or material, complete in place, including (but not limited to) royalty, waste of unsuitable materials, equipment rental, overhead, profit, and incidentals.

Items specified in this document may be paid for on progressive estimates without the benefit of a prior approved Construction Change Order.

Specification Section Number	Specification Section Name	Item Name	Price per Item
5.8	Construction Stakes, Lines, and Grades	Engineer Directed Surveying/Staking	\$150.00/hour
7.7	Public Convenience and Safety	Water for Dust Control	\$25.00/M.Gal
9.3	Payment for extra haul of Materials	Extra Haul	\$0.20/ton mile (Truck) or \$0.08/ cubic yard station (Scraper)
120.5 A.5.	Roadway and Drainage Exc. & Emb.	Unclassified Excavation, Digouts	\$11.00/cu.yd.
120.5 H.	Roadway and Drainage Exc. & Emb.	Extra Haul	\$0.20 /ton mile (Truck) or \$0.08 /cubic yard station (Scraper)
120.5 I.	Roadway and Drainage Exc. & Emb.	Water for Embankment	\$25.00/M.Gal
421.5	Undercutting Pipe & Plate Pipe	Undercutting Culverts	\$15.00/cu.yd.

510.5 D.	Timber, Prestressed, and Steel Piles	Timber Pile Splice	\$750.00/each
		Steel Pile Splices (*All Weights)	Splice made before either of the pieces has been driven.
		8 HP*	\$150.00/each
		10 HP*	\$175.00/each
		12 HP*	\$200.00/each
		14 HP*	\$225.00/each
		Steel Pile Splices (*All Weights)	Splice made after one of the pieces has been driven.
		8 HP*	\$325.00/each
		10 HP*	\$425.00/each
		12 HP*	\$525.00/each
		14 HP*	\$600.00/each
510.5 E.	Timber, Prestressed, and Steel Piles	Pile Shoes (Timber Pile)	\$150.00/each
510.5 H.	Timber, Prestressed, and Steel Piles	Pile Tip Reinforcement (Steel Pile)	
		10" HP Tip Reinforced	\$160.00/each
		12" HP Tip Reinforced	\$185.00/each
		14" HP Tip Reinforced	\$225.00/each
601.5	Haul Roads	Granular Material	\$20.00/ton
601.5	Haul Roads	Asphalt Concrete (including asphalt)	\$120.00/ton
601.5	Haul Roads	Cover Aggregate	\$45.00/ton
601.5	Haul Roads	Asphalt for Prime	\$925.00/ton
601.5	Haul Roads	Asphalt (Tack, Flush & Surface Treatment)	\$600.00/ton
601.5	Haul Roads	Water	\$25.00/M.Gal
601.5	Haul Roads	Dust Control Chlorides	\$0.45/lb
634.5	Temporary Traffic Control	Flagging	\$36.03/hour
634.5	Temporary Traffic Control	Pilot Car	\$52.75/hour

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