



## Department of Transportation

### Division of Operations

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April 18, 2018

Mr. Greg Fuller  
Director of Operations  
South Dakota Department of Transportation  
Pierre, SD 57501

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

Dear Mr. Fuller:

It is requested that the subject item be reviewed for approval at the April 26, 2018 Transportation Commission Meeting. The proposed changes to the Special Provision for Price Schedule for Miscellaneous Items are as follows:

1. Flagging for traffic control, change from the current rate of \$24.19/hour to \$28.99/hour.
2. Pilot Car for traffic control, change from the current rate of \$38.35/hour to \$41.88/hour.

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. 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  
Specifications Engineer

## 2018 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

$$\$18.86 \times 1.17 \times 1.251 \times 1.05 = \$28.99 / \text{hour}$$

### 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

$$((\$18.86 \times 1.17 \times 1.251) + \$12.28 / \text{hour}) \times 1.05 = \$41.88 / \text{hour}$$

### 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 2018 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.

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

$$((\$600.00 / 176) \times 1.02 \times 1.00) + \$8.80 = \$12.28 / \text{hour}$$

### Profit Factor

Profit, at a 5% rate is included in the calculations.

**STATE OF SOUTH DAKOTA  
DEPARTMENT OF TRANSPORTATION**

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

**JUNE 6, 2018**

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.

<b>Specification Section Number</b>	<b>Specification Section Name</b>	<b>Item Name</b>	<b>Price per Item</b>
5.8	Construction Stakes, Lines and Grades	Three-Man Survey Crew	\$160.00/hour
7.7	Public Convenience and Safety	Water	\$15.00/M.Gal
9.3	Payment for extra haul of Materials	Extra Haul	\$0.15/ton mile
120.5 A.5.	Roadway and Drainage Exc. & Emb.	Unclassified Excavation Digouts	\$8.00/cu.yd.
120.5 H.	Roadway and Drainage Exc. & Emb.	Extra Haul	\$0.05/cu.yd. station
120.5 I.	Roadway and Drainage Exc. & Emb.	Water for Embankment	\$15.00/M.Gal
421.5	Undercutting Pipe & Plate Pipe	Undercutting Culverts	\$12.00/cu.yd.
510.5 D.	Timber, Prestressed, and Steel Piles	Timber Pile Splice	\$550.00/each

		Steel Pile Splices (*All Weights)	Splice made after one of the pieces has been driven.
		8 HP*	\$220.00/each
		10 HP*	\$300.00/each
		12 HP*	\$360.00/each
		14 HP*	\$420.00/each
			Splice made before either of the pieces has been driven.
		8 HP*	\$105.00/each
		10 HP*	\$125.00/each
		12 HP*	\$140.00/each
		14 HP*	\$160.00/each
510.5 E	Timber, Prestressed, and Steel Piles	Pile Shoes (Timber Pile)	\$110.00/each
510.5.H	Timber, Prestressed, and Steel Piles	Pile Tip Reinforcement (Steel Pile)	
		10" HP Tip Reinforced	\$120.00/each
		12" HP Tip Reinforced	\$140.00/each
		14" HP Tip Reinforced	\$170.00/each
601.5	Haul Roads	Granular Material	\$12.00/ton
601.5	Haul Roads	Asphalt Concrete (including asphalt)	\$80.00/ton
601.5	Haul Roads	Cover Aggregate	\$25.00/ton
601.5	Haul Roads	Asphalt for Prime	\$700.00/ton
601.5	Haul Roads	Asphalt (Tack, Flush & Surface Treatment)	\$450.00/ton
601.5	Haul Roads	Water	\$15.00/M.Gal
601.5	Haul Roads	Dust Control Chlorides	\$0.35/lb
634.5	Temporary Traffic Control	Flagging	\$28.99/hour
634.5	Temporary Traffic Control	Pilot Car	\$41.88/hour

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