

ENGINEER'S ESTIMATE

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The preliminary estimated unit costs may need to be adjusted. Determine the area and/ or zone and adjust the unit costs per instructions of this section.

DETERMINATION OF WAGE RATE AREA/ZONE

IDAHO

Area 1. The portion of Region 1 that lies in Idaho with the exception of that portion of Idaho county that lies south of the 46th parallel is in Area 1

Note: Area 1 has been expanded to two zones which is being defined by the distance from the Post Offices in Spokane, Pasco, Washington, and Lewiston, Idaho.

- Zone 1: Within 45 radius miles from the main Post Office
- Zone 2: Outside 45 radius miles from the main Post Office

Area 2. The portion of Region 1 that lies in Idaho County and south of the 46th parallel is in Zone 2 of Area 2. This includes most of the Nez Perce National Forest. Therefore all reference in this guide to Area 2 is for Zone 2 of that Area. (Zone 1 lies in the southern part of Area 2 and is a 60 mile (97 kilometers) wide strip following I-84, I-86, and part of I-15.)

- Zone 2: Idaho County south of the 46th parallel

MONTANA

In Montana there are three (3) wage rate zones based on the shortest practical route over maintained roads from the center of the project to the nearest County Court House located in the following listed towns:

Billings	Glasgow	Helena	Miles City
Bozeman	Glendive	Kalispell	Missoula
Butte	Great Falls	Lewistown	Sidney
Dillon	Havre		

The zones are defined as:

- Zone 1: 0-30 miles
- Zone 2: 30-60 miles
- Zone 3: over 60 miles

NORTH DAKOTA / SOUTH DAKOTA / WASHINGTON

Adjust the preliminary unit costs by applicable Davis-Bacon wage Area and/ or Zone differential. Contact the Regional Office for necessary data.

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ADJUSTMENT FACTORS FOR THE UNIT COSTS

Adjust the preliminary estimated unit prices by multiplying them by the appropriate factor in the following table. The factors are based on the appropriate Davis Bacon wage rates with fringes and overhead loading for a mixed work force of equipment operators, laborers, and truck drivers.

ADJUSTMENT FACTOR FOR PUBLIC WORKS DAVIS-BACON ZONES

LABOR %	IDAHO	IDAHO	IDAHO	MONTANA	MONTANA	MONTANA
LABOR %	AREA 1	AREA 1	AREA 2			
LABOR %	ZONE 1	ZONE 2	ZONE 2	ZONE 1	ZONE 2	ZONE 3
5	1.00	1.00	1.00	0.99	1.00	1.00
10	0.99	1.00	1.00	0.98	0.99	1.00
15	0.99	1.00	0.99	0.98	0.99	1.00
20	0.99	1.00	0.99	0.97	0.99	1.00
25	0.99	1.00	0.99	0.96	0.99	1.00
30	0.98	1.00	0.99	0.95	0.98	1.00
35	0.98	1.00	0.99	0.94	0.98	1.00
40	0.98	1.00	0.98	0.94	0.98	1.00
45	0.97	1.00	0.98	0.93	0.97	1.00
50	0.97	1.00	0.98	0.92	0.97	1.00
55	0.97	1.00	0.98	0.91	0.97	1.00
60	0.96	1.00	0.98	0.90	0.96	1.00
65	0.96	1.00	0.97	0.90	0.96	1.00
70	0.96	1.00	0.97	0.89	0.96	1.00
75	0.96	1.00	0.97	0.88	0.96	1.00
80	0.95	1.00	0.97	0.87	0.95	1.00
85	0.95	1.00	0.97	0.86	0.95	1.00
90	0.95	1.00	0.96	0.86	0.95	1.00
95	0.94	1.00	0.96	0.85	0.94	1.00
100	0.94	1.00	0.96	0.84	0.94	1.00

Examples

Example No. 1:

Idaho, Area 1 (Zone 2)
 18" culvert (new construction)
 Percent labor = 25%
 Cost Guide unit cost = \$22.00/ lf
 Area 1 unit cost = \$22.00 x 1.00 = \$22.00/ lf no adjustment.

Example No. 2:

Idaho, Area 2 (Zone 2)
 18" culvert
 Percent Labor = 35%
 Cost Guide unit cost = \$22.00/ lf
 Area 2 unit cost = \$22.00 x 0.99 = \$21.80/ lf rounded.

Example No. 3:

Montana, Zone 3
 18" culvert
 Percent Labor = 25%
 Cost Guide unit cost = \$22.00/ lf
 Zone 3 unit cost = \$22.00 x 1.00 = \$22.00/ lf rounded

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End of Engineers Estimate