

Damage Factor Permit Fee

Formula

$Fee_{Flat} = \$20$ fee assessed per county on every permit

$Fee_{Damage Flat}$

= \$20, \$30, or \$40 fee assessed per county where damage is incurred but is below capped limits
(See table 1 and table 2)

$DF_C = \text{Cumulative Damage Factor of all Axles} = \sum \left(\frac{A}{A_S}\right)^4$

$DF_H = \text{Highest Damage Factor of all Axles} = \left(\frac{A}{A_S}\right)^4$

$A_S = \text{Standard Axle} - \text{based on road limit and axle configuration OR Tire Size (see below)}$

$Len_{RS} = \text{Road Segment Length}$

$Fee_H = \text{Per Mile Fee for Highest Damage Factor (see table 2)}$

$Fee_C = \text{Per Mile Fee for Cumulative Damage Factor (see table 2)}$

If both $DF_C \leq 1$ AND $DF_H \leq 1$

$$PermitFee = Fee_{Flat}$$

If both $DF_C > 1$ AND $DF_H > 1$, and both \leq their caps

$$PermitFee = Fee_{Flat} + Fee_{Damage Flat}$$

If EITHER DF_C OR DF_H exceeds its cap

$$PermitFee = Fee_{Flat} + \sum_{RoadSeg} ((DF_H Len_{RS} Fee_H) + (DF_C Len_{RS} Fee_C))$$

Table 1: Damage Factor Caps

Equipment Type	Highest DF Cap	Cumulative DF Cap
Trucks & Trailers	3.1	6.5
Workover Rigs	3.3	12.2
Roaded Earth Moving Equip.	5.1	7.5

Table 2: Per Mile Fees

Equipment Type	Permit Fee (per county)	Damage Flat Fee (per county)	Per-Mile Fees
Trucks & Trailers	\$20	\$20	DFc: \$3.25/mi DFh: \$3.50/mi
Workover Rigs	\$20	\$40	DFc: \$1.10/mi DFh: \$1.20/mi
Roaded Earth Moving Equip	\$20	\$30	DFc: \$0.90/mi DFh: \$1.00/mi

Determining standard axles

Trucks and Trailers / Workover Rigs, Cranes, and Special Mobile / Roaded Earth Equipment:

Either based on tire size or standard axle matrix, whichever is lower.

Tire Size Formula:

Tire Size: $A_s = 550 * \text{tire size (in.)} * \text{Number of Tires}$

Table 3: Standard Axle Matrix

	By Legal Weight	10 ton	9 ton	8 ton	7.5 ton	7 ton	6 ton	5 ton	3 ton
Single Axle	20,000	20,000	18,000	16,000	15,000	14,000	12,000	10,000	6,000
Tandem Axle	17,000	17,000	16,000	16,000	15,000	14,000	12,000	10,000	6,000
3 Axles+	17,000	14,000	14,000	14,000	13,000	12,000	10,000	10,000	6,000

***Does not include processing or admin fees