

Percent Mobilization by Improvement Types

2018 - 2022



The following tables summarize the mobilization according to improvement types based on five years of data from January 2018 to December 2022. The tables are separated by improvement types for bridge and roadway proposals. The improvement types are classified in [FDM 11-1, Attachment 10.1](#).

The tables below include all proposals of varying sizes for each improvement type. Expected values do vary depending upon the amount spent on the proposal. Small and large proposals typically will have higher mobilization costs than mid-size proposals. Expected Range and Typical Middle Value is defined in the Appendix.

The [Similar Projects Tool](#) allows the sorting of five years of data by a number of criteria including improvement type, region, proposal size and date of the proposal. The Similar Projects Tool can be found on the [Estimating Tools Page](#).

All Work Types	\$ 0.5M or less	\$ 0.5M to \$ 1M	\$ 1M to \$ 2M	\$ 2M to \$ 10M	\$ 10M to \$ 20M	\$20M or more
Sample Size:	323	285	317	517	72	42
Expected Range (lower limit):	3.7%	1.5%	1.5%	1.2%	2.6%	2.0%
Typical Middle Value:	10.5%	7.7%	6.3%	4.9%	5.7%	6.6%
Expected Range (upper limit):	25.3%	17.7%	18.6%	11.6%	12.6%	12.0%

Bridge Rehabilitation and Preventative	\$ 0.5M or less	\$ 0.5M to \$ 1M	\$ 1M to \$ 2M	\$ 2M to \$ 10M	\$ 10M to \$ 20M	\$20M or more
Sample Size:	46	44	46	39	Less than 20	Less than 20
Expected Range (lower limit):	4.4%	2.8%	6.0%	2.0%	--	--
Typical Middle Value:	12.4%	11.4%	10.4%	7.3%	--	--
Expected Range (upper limit):	31.6%	24.1%	27.1%	17.5%	--	--

Bridge Replacement	\$ 0.5M or less	\$ 0.5M to \$ 1M	\$ 1M to \$ 2M	\$ 2M to \$ 10M	\$ 10M to \$ 20M	\$20M or more
Sample Size:	164	119	56	29	Less than 20	Less than 20
Expected Range (lower limit):	5.7%	3.6%	3.8%	2.8%	--	--
Typical Middle Value:	10.5%	8.0%	7.7%	8.3%	--	--
Expected Range (upper limit):	21.2%	13.8%	16.3%	11.8%	--	--

Roadway Resurfacing, Preservation/Restoration & Pavement Replacement	\$ 0.5M or less	\$ 0.5M to \$ 1M	\$ 1M to \$ 2M	\$ 2M to \$ 10M	\$ 10M to \$ 20M	\$20M or more
Sample Size:	42	58	128	310	30	Less than 20
Expected Range (lower limit):	2.2%	1.0%	1.2%	1.0%	2.1%	--
Typical Middle Value:	8.1%	6.4%	5.2%	4.5%	5.4%	--
Expected Range (upper limit):	27.4%	13.9%	12.3%	9.7%	13.3%	--

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Roadway Reconstruction & Expansion	\$ 0.5M or less	\$ 0.5M to \$ 1M	\$ 1M to \$ 2M	\$ 2M to \$ 10M	\$ 10M to \$ 20M	\$20M or more
Sample Size:	Less than 20	Less than 20	35	104	30	26
Expected Range (lower limit):	--	--	1.6%	1.4%	3.1%	2.4%
Typical Middle Value:	--	--	5.5%	5.0%	5.7%	6.2%
Expected Range (upper limit):	--	--	11.5%	12.0%	11.2%	10.6%

Appendix

Sample Size: Number of proposals used to calculate the median. If there are less than 20 proposals, no percentages are provided. The Similar Projects Tool will need to be used. There are too few proposals to provide statistically meaningful values.

Typical Middle Value: Median, or 50% of the values in the sample size are above this value and 50% are below this value.

Expected Range: 5th and 95th percentiles, or the remaining range of Mobilization percentages after 5% of the highest values and 5% of the lowest values have been removed.