

How to Calculate Bridge Mobilization

For projects that are part of the Construction Administration System (CAS), an appropriate amount of the Mobilization contract item is automatically included in the cost of "structure" work. The method used for determining the portion of the Mobilization contract item to be applied to "structure" work is as follows:

1. Calculate the percentage of structure mobilization.

Example:

Total Contract Bid Amount (excluding Mobilization) = \$10,000,000

Total Structure Work Amount = \$5,000,000

Percent Structure Mobilization = \$5,000,000 / \$10,000,000 = 50%

2. Calculate Bridge Mobilization by apportioning the bid price for the mobilization contract item based on the percentage calculated above on Step No. 1.

Example Continued:

Mobilization Contract Item = \$1,000,000 (typically 10% of Total Contract Bid Amount)

Structure Mobilization Amount = 50% of \$1,000,000 = \$500,000

3. Add Structure Mobilization Amount calculated above on Step No. 2 to the "structure" work amount.
4. For projects with Time Related Overhead (TRO), perform Steps 1 – 3 to determine the percent structure TRO.

Example:

Total Contract Bid Amount (excluding Mobilization and TRO) = \$10,000,000

Total Structure Work Amount = \$5,000,000

Percent Structure TRO = \$5,000,000 / \$10,000,000 = 50%

TRO Contract Item = \$50,000

Structure TRO Amount = 50% of \$50,000 = \$25,000

Add the structure TRO amount along with the amount calculated in Step 3 to the "structure" work amount.

5. Coordinate with the Resident Engineer (RE) and have Resident Engineer enter:

- a. The mobilization percentage calculated in Step 1 on Form CEM-6003, Progress Pay-Estimate Project Initiation or Update, Line C15, "Mobil %" field.
 - b. The total "structure" work amount calculated in Step 4 on "Original Authorized Amount for Bridge Work" field.
6. Enter mobilization (and TRO, if present) information in the Division of Work Memo.

For projects that are not part of the CAS, the Oversight Engineer or Structure Representative must include an appropriate portion of the Mobilization contract item (if applicable) when calculating the values of "structure" work to be shown in the Division of Work Memo and in [Form CEM-6003](#), *Progress Pay-Estimate Project Initiation or Update*, prepared by the Resident Engineer. The "structure" work amount will also be used to calculate staffing needs for Structure Construction so the proper PY allocation will be requested. Refer to [Attachment 2](#), *Sample of Division of Work Memo*.