

PRELIMINARY STRUCTURE COST ESTIMATE

The preliminary estimate of total structure cost can be determined from the graphs on ProjectWise at:
HEADQUARTERS/BRIDGE/BRIDGE DESIGN/BRIDGE COST DATA/PRELIMINARY STRUCTURE COSTS
Preliminary Structure Costs

The costs apply to ordinary structure types. The preliminary square foot cost should be increased by 30% to account for unknown contingency items. The data is based upon the low bid from projects awarded.

The total cost per square foot includes all the bid items necessary to construct the structure except for the following:

Preliminary Engineering
E & C
Traffic Control

The costs for Repair and Rehabilitation projects require an individual estimate of cost for each project because of the wide diversity of work.

Cost data is available for the following types of structures:

NEW CONSTRUCTION

- Culverts – cast-in-place & precast
- Prestressed girders
- Steel girders
- Voided slabs
- Pedestrian overpass
- Pedestrian underpass

Retaining wall cost per square foot data can be determined from the graphs on ProjectWise at:
HEADQUARTERS/BRIDGE/BRIDGE DESIGN/BRIDGE UNIT PRICE/SPECIAL PROVISIONS/RETAINING WALLS
Retaining Walls

Cost data is available for the following types of walls:

NEW CONSTRUCTION

- Cast-in-place concrete retaining walls
- Block walls
- MSE walls
- Soils Nail walls
- Soldier Pile walls
- Welded Wire walls
- Sound Walls

Revisions:

Sep 2020 Deleted Tables for square foot costs for bridges and miscellaneous structures.
Moved Preliminary Square Foot Cost data to ProjectWise and added link.
Deleted “Consult with the Group Leader/Bridge Engineer to obtain costs from similar projects” from Repair and Rehabilitation Projects.