

Guidance on Structure Quantities

2/18/2020

When placing a structure on a construction estimate the following quantities should also be considered:

Item	Unit	Estimate Area	Frequency
Reinforced Bridge Approach Fills	EA	Roadway near unclassified/borrow	Always
Approach slabs	SF	Structure section next to bridge in question	Always
Removal of existing structure	SF	Structure section next to bridge in question	On all structure replacements
Access	LS	Structure section next to bridge in question	If structure crosses: water and is over 300' long -or- valley that is over 40' deep
Detour	SF	Structure section next to bridge in question	Usually for 4+ lane US highways & interstates

Courtesy of Forrest Dungan PE, Preliminary Estimating Engineer