Estimated Design Hours

	Average Design Rate $ per Design Hour
Slab Bridges	
Single Span	1,000
2 and 3 Spans	1,400
4 or more Spans	1,800
Box Girder or T-Beams	
Single Span	1,400
Parallel Single	1,800
2 or 3 Spans	1,500
4 or 5 Spans	1,800
6 or more Spans(Bridges)	2,200
6 or more Spans (Viaducts)	2,500
Steel Girders	
All Spans	1,500
Precast Girders	
All Types	1,600
Underpasses	1,000
POC, Bike Bridges, Utility Bridges, etc.	800
Culvert	
All Types	1,500
Widening	
All Types	1,000
Earthquake Restrainers and Column Retrofit	800
Standard Miscellaneous Designs	1,500
Railing Modification	
Standard Sound Walls	
Standard Retaining Wall including MSE and Cribwalls	
Non-Standard Miscellaneous Designs	1,000
Strengthening	
Pile Lagging and Tieback Walls	

$$\text{Estimated Design Hours} = \frac{\text{Project Cost}}{\text{Above Rate}} = \begin{bmatrix} \text{Design} & = 35\% \\ \text{Detail} & = 30\% \\ \text{Check} & = 20\% \\ \text{Quantities} & = 15\% \end{bmatrix}$$

Note: The Section Leader may adjust the Estimated Design Hours ±25% taking into account the complexity of the work, experience of project personnel, repetition of details, etc.