



WORKSHEET FOR DETERMINING CONCRETE BATCH MOISTURE/ABSORPTION CORRECTIONS

Project:

Date tested:

Concrete for:

Computed by:

English	Metric	Approved Mix Design Information	
(A) Cement content,		(F) Coarse aggregate absorption, %	
(B) Maximum water/cement ratio		(G) Fine aggregate SSD,	
(C) Maximum water,		(H) Fine aggregate, total moisture, % ¹	
(D) Coarse aggregate SSD,		(I) Fine aggregate absorption, %	
(E) Coarse aggregate, total moisture, % ¹		(J) Batch size, /batch	

¹ Calculated from AASHTO T 255 or FLH T 509

Aggregate / Water / Cement Mass Calculation

(K) Dry mass, coarse aggregate,	[D / (1.0 + (F / 100))]	
(L) Dry mass, fine aggregate,	[G / (1.0 + (I / 100))]	
(M) Coarse aggregate batch mass,	[K x (1.0 + (E / 100))]	
(N) Mass of coarse aggregate per batch, /batch	[J * M]	
(O) Fine aggregate batch mass,	[L x (1.0 + (H / 100))]	
(P) Mass of fine aggregate per batch, /batch	[J * O]	
(Q) Water batch mass,	[C - ((M - D) + (O - G))]	
(R) Volume of water per batch, /batch	[J * (Q /)]	
(S) Mass of cement per batch, /batch	[J * A]	

Concrete Batch Masses

Batch Size,	Cement,	Water,	Water,	Coarse Agg.,	Fine Agg.,
0.5					
1.0					
1.5					
2.0					
2.5					
3.0					
3.5					
4.0					
4.5					
5.0					
5.5					
6.0					
6.5					
7.0					
7.5					
8.0					
8.5					
9.0					
9.5					
10.0					