

Contraction Scour

	Left	Channel	Right
Input Data			
Average Depth (ft):		1.55	
Approach Velocity (ft/s):		7.15	
Br Average Depth (ft):		2.90	
BR Opening Flow (cfs):		1932.00	
BR Top WD (ft):		126.74	
Grain Size D50 (mm):		0.60	
Approach Flow (cfs):		1932.00	
Approach Top WD (ft):		174.01	
K1 Coefficient:		0.690	
Results			
Scour Depth Ys (ft):		0.00	
Critical Velocity (ft/s):		1.51	
Equation:		Live	

Pier Scour

All piers have the same scour depth			
Input Data			
Pier Shape:		Round nose	
Pier Width (ft):		4.00	
Grain Size D50 (mm):		0.60000	
Depth Upstream (ft):		4.49	
Velocity Upstream (ft/s):		5.82	
K1 Nose Shape:		1.00	
Pier Angle:		0.00	
Pier Length (ft):		67.00	
K2 Angle Coef:		1.00	
K3 Bed Cond Coef:		1.10	
Grain Size D90 (mm):		5.00000	
K4 Armouring Coef:		1.00	
Results			
Scour Depth Ys (ft):		6.70	
Froude #:		0.48	
Equation:		CSU equation	

Bridge Scour RS = 600

