

Cost of In-Place RCC on Recent Dam Projects

Project Name/Year RCC Completed	Location	Application	Owner	Designer	Contractor	Max. Height, ft (m)	Crest Length, ft (m)	RCC Volume, yd ³ (m ³)	Cement Content, lb/yd ³ (kg/m ³)	Fly Ash Content, lb/yd ³ (kg/m ³)	Unit Cost ¹ \$/yd ³ (\$/m ³)
Yellow Creek Dam # 14/2003	Gwinnet County, GA	Overtopping Protection	Gwinnett County, GA	Golder Associates Inc.	Thalle Construction Company, Inc.	40 (12.2)	280 (85.3)	4,650 (3,550)	250 (148)	250 (148)	142 (186)
Yellow Creek Dam # 17/2005	Gwinnet County, GA	Overtopping Protection	Gwinnett County, GA	US Army Corps of Engineers	ASI RCC, Inc.	30 (9.1)	900 (274)	6,700 (5,100)	250 (148)	80 (47.5)	110 (144)
Marrowbone Dam/2005	Henry County, VA	Overtopping Protection	NRCS	Schnabel Engineering	ASI RCC, Inc.	46 (14)	550 (167.6)	10,525 (8,050)	330 (196)	80 (47.5)	108.01 (141.26)
Dry Creek Dam/2006	Berthoud, CO	Gravity Spillway	LTWD and CWCWD ² , CO	Boyle Engineering	R. E. Monks Construction ³	52 (15.9)	---	12,300 (9,400)	158 (93.5)	158 (93.5)	108.15 (141.45)
Franklin Dam/2006	Franklin, KY	Small Gravity	City of Franklin, KY	CDM and BWSC ⁴	ASI RCC, Inc.	20 (6.1)	450 (137.2)	8,160 (6,240)	205 (122)	105 (62)	135 (176.56)
Big Cherry Dam/2005	Wise County, VA	Gravity	Town of Big Stone Gap, VA	Dewberry and GEI Consultants	Estes Brothers Construction, Inc. ⁵	70 (21.3)	370 (112.8)	13,800 (10,550)	129 (76.5)	129 (76.5)	92.95 (121.57)
Pine Brook Dam/2006	Boulder, CO	Gravity	Pine Brook Water District, CO	TCB	ASI RCC, Inc.	86 (26.2)	560 (170.7)	36,000 (27,500)	160 (95)	95 (59)	75 (98.09)
Hickory Log Dam/under construction in 06-07	Canton, GA	Gravity	City of Canton, GA	Schnabel Engineering	Thalle Construction Company, Inc. ³	180 (54.9)	980 (298.7)	235,000 (179,700)	135 (80)	165 (98)	74.67 (97.66)

¹ In-place unit cost of RCC including cost of aggregates, cement, fly ash, mixing, transporting, placing and curing. Based on bid unit prices of successful bidder.

² Little Thompson Water District and Central Weld County Water District

³ ASI RCC, Inc. in RCC Subcontractor

⁴ Barge Waggoner Sumner and Cannon

⁵ Gears, Inc. was RCC Subcontractor