CODE:D-8170

ESTIMATE WORKSHEET

FEATURE: 18-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. ESTIMATE - FULL REMOVAL WILDCAT DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLECK.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work, site access	D8130	1	LS		$140,000
	2	Diversion and care of streamflow (30 cfs)	D8130	1	LS	$30,000.00	$30,000
	3	Demolish masonry dam structure (waste onsite)	D8130	70	yd3	$350.00	$24,500
	4	Demolish masonry intake structure (waste onsite)	D8130	40	yd3	$350.00	$14,000
	5	Remove concrete fish ladder structure (airlift)	D8130	10	yd3	$650.00	$6,500
	6	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	7	Remove all mech anical items	D8130	3,500	lbs	$31.00	$108,500
	8	Remove all miscellaneous metalwork	D8130	2,000	lbs	$40.00	$80,000
	9	Remove Wildcat Canal pipeline (700,000 lbs)	D8130	5,530	lin ft	$94.00	$519,820
	10	Remove concrete footings along pipeline (300 yd3)	D8130	5,530	lin ft	$94.00	$519,820
	11	Backfill canal channel with earthfill from borrow	D8130	2,000	yd3	$30.00	$60,000
	12	Remove county bridge over canal (19' wide) and repave county road	D8130	1	LS	$16,000.00	$16,000
	13	Final site cleanup (after spring runoff)	D8130	1	LS	$4,300.00	$4,300
		Subtotal - Wildcat Dam Removal (Full)					$1,539,440
		Unlisted items @ 10 percent					$160,560
		Contract cost					$1,700,000
		Contingencies @ 25 percent					$400,000
		Field cost - Wildcat Dam Removal (Full)					$2,100,000

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RCC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/18/98	PRICE LEVEL

CODE:D-8170

ESTIMATE WORKSHEET

FEATURE: 19-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. EST. - PARTIAL REMOVAL WILDCAT DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLE2.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work, site access	D8130	1	LS	$75,000.00	$75,000
	2	Diversion and care of streamflow (30 cfs)	D8130	1	LS	$30,000.00	$30,000
	3	Demolish masonry dam structure (waste onsite)	D8130	70	yd3	$350.00	$24,500
	4	Deleted					
	5	Remove concrete fish ladder structure (airlift)	D8130	10	yd3	$650.00	$6,500
	6	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	7	Remove selected mechanical items	D8130	1,500	lbs	$31.00	$46,500
	8	Remove selected miscellaneous metalwork	D8130	500	lbs	$40.00	$20,000
	9	Remove Wildcat Canal pipeline (700,000 lbs)	D8130	5,530	lin ft	$94.00	$519,820
	10	Deleted					
	11	Backfill canal channel with earthfill from borrow	D8130	2,000	yd3	$30.00	$60,000
	12	Remove county bridge over canal (19' wide) and repave county road	D8130	1	LS	$16,000.00	$16,000
	13	Final site cleanup (after spring runoff)	D8130	1	LS	$4,300.00	$4,300
		Subtotal - Wildcat Dam Removal (Partial)					$818,620
		Unlisted items @ 10 percent					$81,380
		Contract cost					$900,000
		Contingencies @ 25 percent					$250,000
		Field Cost - Wildcat Dam Removal (Partial)					$1,150,000

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RKC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/19/98	PRICE LEVEL

CODE:D-8170

ESTIMATE WORKSHEET

SHEET 1 OF 1

FEATURE: 18-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. ESTIMATE - FULL REMOVAL EAGLE CANYON DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLECK.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work, site access	D8130	1	LS	$132,000.00	$132,000
	2	Diversion and care of streamflow (70 cfs)	D8130	1	LS	$50,000.00	$50,000
	3	Demolish masonry dam and radial gate structure	D8130	160	yd3	$350.00	$56,000
	4	Demolish masonry weir crest structure	D8130	50	yd3	$350.00	$17,500
	5	Demolish masonry canal wall, gate winch block	D8130	75	yd3	$350.00	$26,250
	6	Remove concrete fish ladder structure	D8130	20	yd3	$650.00	$13,000
	7	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	8	Remove all mechanical items	D8130	3,000	lbs	$31.00	$93,000
	9	Remove all miscellaneous metalwork	D8130	3,000	lbs	$40.00	$120,000
	10	Remove Eagle Canyon Canal metal flume (400,000lb	D8130	3,385	lin ft	$147.00	$497,595
	11	Remove concrete footings along flume (230 yd3)	D8130	3,385	lin ft	$94.00	$318,190
	12	Remove two concrete bench flumes	D8130	181	lin ft	$325.00	$58,825
	13	Construct concrete plugs at tunnel portals (four)	D8130	10	yd3	$5,000.00	$50,000
	14	Final site cleanup (after spring runoff)	D8130	1	LS	$5,000.00	$5,000
		Subtotal - Eagle Canyon Dam Removal (Full)					$1,453,360
		Unlisted items @ 10 percent					$146,640
		Contract cost					$1,600,000
		Contingencies @ 25 percent					$400,000
		Field Cost - EagleCanyon Dam (Full)					$2,000,000

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RKC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/18/98	PRICE LEVEL

CODE:D-8170

ESTIMATE WORKSHEET

SHEET 1 OF 1

FEATURE: 18-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. EST. - PARTIAL REMOVAL EAGLE CANYON DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLE2.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work, site access	D8130	1	LS		$85,000
	2	Diversion and care of streamflow (70 cfs)	D8130	1	LS	$50,000.00	$50,000
	3	Demolish masonry dam and radial gate structure	D8130	160	yd3	$350.00	$56,000
	4	Demolish masonry weir crest structure	D8130	50	yd3	$350.00	$17,500
	5	Deleted					
	6	Remove concrete fish ladder structure	D8130	20	yd3	$650.00	$13,000
	7	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	8	Remove selected mechanical items	D8130	2,000	lbs	$31.00	$62,000
	9	Remove selected miscellaneous metalwork	D8130	500	lbs	$40.00	$20,000
	10	Remove Eagle Canyon Canal metal flume (400,000lb	D8130	3,385	lin ft	$147.00	$497,595
	11	Deleted					
	12	Remove two concrete bench flumes	D8130	181	lin ft	$350.00	$63,350
	13	Construct concrete plugs at tunnel portals (four)	D8130	10	yd3	$5,000.00	$50,000
	14	Final site cleanup (after spring runoff)	D8130	1	LS	$5,000.00	$5,000
		Subtotal - Eagle Canyon Dam Removal (Partial)					$935,445
		Unlisted items @ 10 percent					$114,555
		Contract cost					$1,050,000
		Contingencies @ 25 percent					$250,000
		Field Cost - EagleCanyon Dam Removal (Partial)					$1,300,000

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RKC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/18/98	PRICE LEVEL

CODE:D-8170

ESTIMATE WORKSHEET

SHEET 1 OF 1

FEATURE: 18-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. ESTIMATE - FULL REMOVAL COLEMAN DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLECK.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work	D8130	1	LS		$43,000
	2	Diversion and care of streamflow (30 cfs)	D8130	1	LS	$25,000.00	$25,000
	3	Demolish masonry dam structure (waste onsite)	D8130	440	yd3	$350.00	$154,000
	4	Demolish masonry weir structure (waste onsite)	D8130	55	yd3	$350.00	$19,250
	5	Remove concrete in miscellaneous structures	D8130	20	yd3	$500.00	$10,000
	6	Remove concrete fish ladder structure	D8130	25	yd3	$500.00	$12,500
	7	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	8	Remove all mechanical items	D8130	3,500	lbs	$10.00	$35,000
	9	Remove all miscellaneous metalwork	D8130	5,000	lbs	$10.00	$50,000
	10	Upstream channel excavation (1 mile haul)	D8130	5,000	yd3	$20.00	$100,000
	11	Final site cleanup (after spring runoff)	D8130	1	LS	$5,000.00	$5,000
		Subtotal - Coleman Dam Removal (Full)					$469,750
		Unlisted items @ 10 percent					$50,250
		Contract cost					$520,000
		Contingencies @ 25 percent					$130,000
		Field cost - Coleman Dam Removal (Full)					$650,000
		[NOTE: ASSUMES CONSTRUCTION OF DIRECT CONNECTION FROM INSKIP POWERHOUSE TO COLEMAN CANAL (UNDER SEPARATE COST ESTIMATE) AND RETENTION OF CANAL WALL.]					

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RKC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/18/98	PRICE LEVEL

CODE:D-8170

ESTIMATE WORKSHEET

SHEET 1 OF 1

FEATURE: 18-Nov-98

BATTLE CREEK DAMS REMOVAL ALTERNATIVE

RECON. EST. - PARTIAL REMOVAL COLEMAN DIVERSION DAM

PROJECT: BATTLE CREEK RESTORATION

DIVISION:

FILE: C:\123R5W\WORK\BATLCREK\BATTLE2.WK4

PLANT ACCT.	PAY ITEM	DESCRIPTION	CODE	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	1	Mobilization and preparatory work	D8130	1	LS	$20,000.00	$40,000
	2	Diversion and care of streamflow (30 cfs)	D8130	1	LS	$25,000.00	$25,000
	3	Demolish masonry dam structure (waste onsite)	D8130	440	yd3	$350.00	$154,000
	4	Deleted					
	5	Remove concrete in miscellaneous structures	D8130	20	yd3	$500.00	$10,000
	6	Deleted					
	7	Remove Alaska Steeppass fish ladder	D8130	4,000	lbs	$4.00	$16,000
	8	Remove all mechanical items	D8130	3,500	lbs	$10.00	$35,000
	9	Remove all miscellaneous metalwork	D8130	5,000	lbs	$10.00	$50,000
	10	Upstream channel excavation (1 mile haul)	D8130	5,000	yd3	$20.00	$100,000
	11	Final site cleanup (after spring runoff)	D8130	1	LS	$5,000.00	$5,000
		Subtotal - Coleman Dam Removal (Partial)					$435,000
		Unlisted items @ 10 percent					$45,000
		Contract cost					$480,000
		Contingencies @ 25 percent					$120,000
		Field cost - Coleman Dam Removal (Partial)					$600,000
		[NOTE: ASSUMES CONSTRUCTION OF DIRECT CONNECTION FROM INSKIP POWERHOUSE TO COLEMAN CANAL (UNDER SEPARATE COST ESTIMATE) AND RETENTION OF CANAL WALL.]					

QUANTITIES		PRICES	
BY T. Hepler	CHECKED J. Ellingson	BY DLMaag	CHECKED RKC 11/19/98
DATE PREPARED 11/13/98	APPROVED	DATE 11/18/98	PRICE LEVEL