Table 6 - Project Budget

Proposal Title: Town of Truckee

Project Title: Trout Creek Restoration (Reaches 4 & 5)

	Budget Category	(a) Non-State Share* (Funding Match)	(b) Requested Grant Funding	(c) Other State Funds Being Used	(d) Total	(e) % Funding Match
(a)	Direct Project Administration Costs		$67,000		$67,000	0%
(b)	Land Purchase/Easement				$0	0%
(c)	Planning/Design/Engineering/ Environmental Documentation		$245,000		$245,000	0%
(d)	Construction/Implementation	$5,250,000	$4,060,000		$9,310,000	56%
(e)	Environmental Compliance/ Mitigation/Enhancement		$47,000		$47,000	0%
(f)	Construction Administration		$100,000		$100,000	0%
(g)	Other Costs				$0	0%
(h)	Construction/Implementation Contingency		$731,000		$731,000	0%
(i)	**Grand Total (Sum rows (a) through (h) for each column)**	**$5,250,000**	**$5,250,000**	**$0**	**$10,500,000**	**50%**

***List sources of funding: Infrastructure improvements to be funded by Truckee Development Associates.**

Detailed Cost Estimates

Row (a) Direct Project Administration Costs

Employee Type	Hourly Rate (1)	Estimated Hours	Cost
Assistant Engineer	$ 80.00	200	$ 16,000.00
Senior Engineer	$ 100.00	200	$ 20,000.00
Town Engineer	$ 150.00	80	$ 12,000.00
Associate Planner	$ 80.00	50	$ 4,000.00
Engineering Technician	$ 50.00	60	$ 3,000.00
Administrative Secretary	$ 50.00	60	$ 3,000.00
Grant Administrator	$ 60.00	150	$ 9,000.00
Total	--	**800**	**$ 67,000.00**

Note 1: Includes Hourly wage, benefits, taxes, and 37% indirect costs.
Note 2: Indirect cost calculations provided below.

Table A: Indirect Cost Calculation for FY 2009/2010
Based on approved FY09/10 Budget

Personnel Costs	812,421.00	(note 1)
Supplies & Services	126,741.00	(note 2)
Admin Overhead	174,810.75	(note 3)
Total Indirect Costs	301,551.75	
Indirect Costs as % of Personnel	37%	

Note 1: See "Total Personnel" costs in Table B.
Note 2: See "Total Supplies & Services" in Table B.
Note 3: $2,388,125 X 7.32% per Engineering "Total Personnel Budget" in Table C and "Total Administrative Costs" per Table D.

2008/2009 WORKING BUDGET - EXPENDITURES

Fund 01 - General
Department 03 - Public Works
Division 01 - Engineering

TOWN OF TRUCKEE
ENGINEERING
June 30, 2009

% of Fiscal Yr Complete 100%

OBJECT CODE		07/08 YEAR TO DATE	08/09 YEAR TO DATE	% CHG YR TO YR	08/09 AMENDED BUDGET*	% OF YTD BUDGET	BUDGET TO ACTUAL DOLLAR VARIANCE
	PERSONNEL						
5011	Wages - Regular Full-time	551,761	603,421	9.36%	582,731	103.55%	20,690
5015	Wages - Temporary/Seasonal	26	2,882	10343.48%	8,000	36.03%	(5,118)
5031	Overtime - Regular Full-time	7,715	3,927	-49.10%	15,000	26.18%	(11,073)
5110	Wages Reimbursed to Other Depts	-	14,713		-		14,713
5400	Benefits	242,714	260,665	7.40%	256,325	101.69%	4,340
5461	Deferred Compensation	4,464	8,043	80.15%	4,300	187.04%	3,743
5571	Car Allowances	318	1,626	411.77%	1,620	100.39%	6
	Total Personnel	806,999	895,278	10.94%	867,975	103.15%	27,302
	SUPPLIES & SERVICES						
6110	Uniforms	70	57	-18.39%	300	18.98%	(243)
6115	Education & Training	5,500	2,610	-52.64%	10,000	26.10%	(7,390)
6305	Advertising	1,463	-	-100.00%	1,000	0.00%	(1,000)
6310	Communications Equip Maint	-	-		200	0.00%	(200)
6325	Membership & Dues	1,655	997	-39.76%	1,500	66.45%	(503)
6335	General Supplies	4,427	3,591	-18.89%	3,000	119.70%	591
6340	Permits, Licenses & Fees	1,049	478	-54.44%	2,500	19.12%	(2,022)
6345	Photocopying	1,070	817	-23.61%	1,400	58.36%	(583)
6350	Postage, Freight & Delivery	475	447	-5.75%	600	74.58%	(153)
6355	Printing	201	125	-37.61%	1,000	12.54%	(875)
6360	Professional Services	56,730	62,982	10.98%	80,000	78.70%	(17,038)
6365	Publications	82	253	208.34%	300	84.28%	(47)
6370	Telephone	5,982	7,284	21.27%	7,105	102.10%	149
6620	Repairs & Maint. - Office Equip.	198	-	-100.00%	500	0.00%	(500)
6650	Small Tools	-	-		1,000	0.00%	(1,000)
6910	Vehicles - Fuel	2,908	1,691	-41.84%	5,000	33.82%	(3,309)
6920	Vehicles - Mileage	-	-		300	0.00%	(300)
6970	Vehicles & Equip - R & M	14,258	-	-100.00%	-		-
6976	Fleet Maintenance Allocation	-	4,747		4,747	100.00%	(0)
6980	Signal Maintenance	10,531	15,116	43.53%	12,000	125.97%	3,116
7070	Rent/Lease Equipment	187	192	2.84%	200	95.99%	(8)
	Total Supplies & Services	106,786	101,339	-5.10%	132,652	76.39%	(31,313)
	CAPITAL OUTLAY						
8020	Computer Equipment	11,692	-	-100.00%	25,000	0.00%	(25,000)
8034.45	Fleet Replacement Fund	4,875	4,875	0.00%	4,875	100.00%	-
8035	Machinery and Equipment	-	-		-		-
	Total Capital Outlay	16,567	4,875	-70.57%	29,875	16.32%	(25,000)
	TOTAL	930,352	1,001,491	7.65%	1,030,503	97.18%	(29,012)

*FY08/09 Original Budget has not been amended.

Detail Admin Costs

Detail Admin Costs

Fiscal Year 2008-2009 - Adjustment to Actual
ADMINISTRATIVE OVERHEAD

Department		Budgeted	Actual Dept. Exp.	$ Personnel Expenditures	
Town Council		116,600	95,024	21,435	
Town Manager		286,432	275,053	251,103	
Town Attorney		180,282	155,170	131,373	
Town Clerk		342,860	321,077	269,533	
Administrative Services		908,246	898,687	805,173	
General					
7010	Property & Liability Insurance	323,815	268,530		
6362	LAFCO Funding	55,840	54,661		
6360	Professional Services				
	Admin service fees for BeneTrac/COBRA	6,000	6,240		
	Employee Assistance Program	6,000	-		
	HR Consultant services	25,000	-		
	IT & Telephone Tech Support	15,000	4,745		
6335	General Supplies - Town-wide Network	3,000	7,170		
6319	Channel 6 Services	18,000	11,144		
8004	Emergency Operations	6,000	952		
7016	Wellness Program	35,000	28,160		
	IT CIP60-01-05 (portion)	20,000	4,643		
SUBTOTAL ADMIN DEPTS		2,360,075	2,131,254	1,478,716	
Facilities (Town-hall) - included in rent expense				331,891	3.1%
Engineering				895,278	8.4%
Public Works Road Maintenance				1,064,109	9.5%
Public Works Snow Removal				826,641	7.8%
Fleet Maintenance				590,951	5.6%
Planning				800,985	7.5%
Building & Safety				789,253	7.4%
Police				4,038,982	38.0%
Animal Control				487,027	4.6%
Code Compliance				112,356	1.1%
Parking				253,673	2.4%
Solid Waste				134,046	1.3%
Transit				63,371	0.6%
Redevelopment - Capital				233,094	2.2%
Redevelopment - Housing				61,839	0.6%
SUBTOTAL NON-ADMIN PERSONNEL COSTS				10,623,514	
TOTAL		$ 2,360,075	$ 2,131,254	$ 12,102,230	

OVERHEAD CALCULATION	O/H to be allocated: $2,131,254	Actual % of Personnel Budget	Total FY08/09 O/H	O/H Recorded thru 6/30/09	Adjustment to O/H at 6/30
Building Department Share		7.4%	158,339	304,532	(146,193)
Parking Fund Share		2.4%	50,891	58,280	(7,389)
Solid Waste Fund Share		1.3%	26,892	40,115	(13,223)
Total			236,122	402,927	(166,805)
Engineering		**8.4%**	**179,607.66**		

9/3/09 1

Detailed Cost Estimates

Row (c) Planning/Design/Engineering/Environmental Documentation

Design Phase	Consultant Cost (1)
10% (Conceptual) Design	complete
30% (Concept) Design	complete
50% Design and Permit Applications	$ 130,000.00
90% (Pre-Final) Design	$ 40,000.00
100% (Final) Design and Bid Assistance	$ 50,000.00
Subtotal	**$ 220,000.00**

Note 1: Consultant costs based upon actual cost estimates prepared by Waterways and Swanson Hydrology and Geomorphology and 20% contingency.

Environmental Review	Hourly Rate (1)	Estimated Hours	Cost
Assistant Engineer	$ 80.00	60	$ 4,800.00
Senior Engineer	$ 100.00	44	$ 4,400.00
Town Engineer	$ 150.00	20	$ 3,000.00
Associate Planner	$ 80.00	120	$ 9,600.00
Engineering Technician	$ 50.00	20	$ 1,000.00
Administrative Secretary	$ 50.00	20	$ 1,000.00
Grant Administrator	$ 60.00	20	$ 1,200.00
Subtotal	--	**304**	**$ 25,000.00**

Note 1: Includes Hourly wage, benefits, taxes, and 37% indirect costs.
Note 2: Indirect cost calculations provided in details for Administrative Costs

Total Planning, Design, Engineering, and Environmental Documentation	**$ 245,000.00**

Detailed Cost Estimates

Row (d) Construction/Implementation

30% Design Cost Estimates		Cost
Reach 4 (no contigency)	$	810,000.00
Reach 5 (no contigency)	$	3,250,000.00
Railroad Crossing Structures	$	2,000,000.00
Balloon Track and Glenshire Drive Relocation	$	3,250,000.00
Total	**$**	**9,310,000.00**

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS
REACH 4
TROUT CREEK RESTORATION PROJECT
30% SUBMITTAL

7/28/2010

PAY ITEM	ITEM DESCRIPTION	ESTIMATED QUANTITY[1]	UNIT	UNIT PRICE	AMOUNT
1	MOBILIZATION	1	LS	$100,000	$100,000
2	CLEARING AND GRUBBING	1.9	ACRE	$25,000	$46,631
3	DEMOLITION	1	LS	$13,000	$13,000
4	EARTHWORK	9,172	CY	$14	$127,829
5	SUPPLY AND PLACE STREAM SUBSTRATE	105	CY	$50	$5,236
6	ROCK SLOPE PROTECTION	663	CY	$119	$78,900
7	SOD SALVAGE & PLACEMENT	2,100	SY	$45	$94,500
8	MEADOW SOIL	150	CY	$29	$4,350
9	LOG STRUCTURES	12	EA	$1,867	$22,404
10	FLOODPLAIN BOULDERS	100	TON	$90	$9,000
11	PLANTING	1	LS	$46,986	$46,986
12	IRRIGATION	1	LS	$27,267	$27,267
13	SEEDING	1	LS	$3,408	$3,408
14	REVEGETATION MAINTENANCE	1	LS	$12,781	$12,781
15	TRAILS, OVERLOOKS & SIGNAGE	1	LS	$142,669	$142,669
16	CONSTRUCTION STAKING	1	LS	$8,000	$8,000
17	SWPPP PREPARATION & IMPLEMENTATION	1	LS	$27,830	$27,830
18	TRAFFIC AND PEDESTRIAN CONTROL	1	LS	$11,392	$11,392
19	DIVERSION/ DEWATERING	1	LS	$25,063	$25,063
20	PROTECT/ RELOCATE EXISTING UTILITIES	1	LS	$1,500	$1,500
			SUBTOTAL		$807,726
			CONTINGENCY	30%	$242,318
			TOTAL		$1,050,044

Notes:

1. Quantities shown are approximate only; the Contractor shall be responsible for all work indicated on the Drawings and prescribed in the Specifications.
2. In the event that the product of a unit price and an estimated quantity does not equal the extended amount stated, the unit price will govern and the correct product of the unit price and the estimated quantity shall be deemed to be the bid amount.
3. Refer to drawings for compaction factor associated with fill.
4. All costs shown above are in 2007 dollars.
5. Costs of Rail Yard development, including UPRR crossings, are not included above. Design and costs to be provided by others.

WATERWAYS CONSULTING, INC.

ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS

REACH 5

TROUT CREEK RESTORATION PROJECT

30% SUBMITTAL

7/26/2010

PAY ITEM	ITEM DESCRIPTION	ESTIMATED QUANTITY[1]	UNIT	UNIT PRICE	AMOUNT
1	MOBILIZATION	1	LS	$200,000	$200,000
2	CLEARING AND GRUBBING	5.4	ACRE	$25,000	$136,006
3	DEMOLITION	1	LS	$10,200	$10,200
4	EARTHWORK	67,774	CY	$14	$926,591
5	SUPPLY AND PLACE STREAM SUBSTRATE	1,153	CY	$44	$51,104
6	ROCK SLOPE PROTECTION	1,906	CY	$110	$209,907
7	WEIRS	893	CY	$127	$113,206
8	SOD SALVAGE & PLACEMENT	10,892	SY	$45	$490,125
9	MEADOW SOIL	8,396	CY	$29	$243,479
10	LOG STRUCTURES	35	EA	$1,758	$61,513
11	FLOODPLAIN BOULDERS	290	TON	$90	$26,100
12	PLANTING	1	LS	$154,807	$154,807
13	IRRIGATION	1	LS	$107,524	$107,524
14	SEEDING	1	LS	$13,441	$13,441
15	REVEGETATION MAINTENANCE	1	LS	$50,402	$50,402
16	TRAILS, OVERLOOKS & SIGNAGE	1	LS	$132,331	$132,331
17	CONSTRUCTION STAKING	1	LS	$25,000	$25,000
18	SWPPP PREPARATION & IMPLEMENTATION	1	LS	$73,963	$73,963
19	INTERIM CHANNEL GRADE STABILIZATION	1	LS	$30,135	$30,135
20	TRAFFIC AND PEDESTRIAN CONTROL	1	LS	$55,651	$55,651
21	DIVERSION/ DEWATERING	1	LS	$60,000	$60,000
22	PROTECT/ RELOCATE EXISTING UTILITIES	1	LS	$19,000	$19,000
			SUBTOTAL		$3,240,685
			CONTINGENCY	30%	$972,205
			TOTAL		$4,212,890

Notes:

1. Quantities shown are approximate only; the Contractor shall be responsible for all work indicated on the Drawings and prescribed in the Specifications.
2. In the event that the product of a unit price and an estimated quantity does not equal the extended amount stated, the unit price will govern and the correct product of the unit price and the estimated quantity shall be deemed to be the bid amount.
3. Refer to drawings for compaction factor associated with fill.
4. All costs shown above are in 2007 dollars.
5. Costs of Rail Yard development, including UPRR crossings, are not included above. Design and costs to be provided by others.

Detailed Cost Estimates

Row (e) Environmental Compliance/Mitigation/Enhancement

Mitigation Monitoring	Hourly Rate (1)	Estimated Hours	Cost
Principal Geomorphologist	$ 110.00	60	$ 6,600.00
Science Technician	$ 85.00	200	$ 17,000.00
Principal Engineer	$ 140.00	60	$ 8,400.00
Staff Engineer	$ 90.00	150	$ 13,500.00
Administrative Secretary	$ 50.00	30	$ 1,500.00
Subtotal	--	**500**	**$ 47,000.00**

Detailed Cost Estimates

Row (f) Construction Administration

Employee	Hourly Rate (1)	Estimated Hours	Cost
Resident Engineer	$ 100.00	362	$ 36,200.00
Assistant Resident Engineer	$ 80.00	500	$ 40,000.00
Town Engineer	$ 150.00	60	$ 9,000.00
Senior Engineer	$ 100.00	100	$ 10,000.00
Assistant Engineer	$ 80.00	60	$ 4,800.00
Subtotal	--	**1082**	**$ 100,000.00**

Detailed Cost Estimates

Row (f) Construction/Implementation Contingency

Construction contingency is assumed to be: 18%
Based on Grant funded construction costs

Town of Truckee Capital Improvement Projects typically require 15% to 20% contingency.