

GRAND JUNCTION, COLORADOSTEP II ENGINEERING FEE SUMMARY

<u>Project</u>	<u>Estimated Construction Cost</u>	<u>Step II Fee</u>	<u>%</u>
Wastewater Treatment Plant (Predesign and Design)	\$11,876,000	\$650,000	5.473%
Retention Reservoir and Pump Station	871,000	54,000	6.200%
River Road Interceptor Sewer and Paradise Hills Interceptor - Phase II	3,870,700	138,600	3.581%
Independent Avenue Interceptor Sewer	<u>151,800</u>	<u>11,400</u>	<u>7.501%</u>
TOTAL S	\$16,769,500	\$854,000	5.093%

STEP II ENGINEERING FEE BREAKDOWN
GRAND JUNCTION AND MESA COUNTY, COLORADO

PROJECT: Retention Reservoir and Pump Station

<u>Classification</u>	<u>Estimated Manhours</u>	<u>Average Salary Rate</u>	<u>Total Amount</u>
Principal	40	\$19.00	\$ 760
Project Manager	100	\$13.20	1,320
Project Engineer	240	\$12.00	2,880
Civil Engineer	160	\$11.00	1,760
Structural Engineer	120	\$11.75	1,410
Electrical Engineer	120	\$11.50	1,380
Mechanical Engineer	80	\$11.25	900
Architect	80	\$11.20	896
Drafting Technicians	80	\$ 8.50	680
Engineering Technicians	80	\$ 9.00	720
Engineering Draftsmen	400	\$ 6.90	2,760
Architectural Draftsmen	120	\$ 7.00	810
3-Man Survey Crew	40	\$18.50	740
Stenographic	120	\$ 5.75	690
Local Coordinator	120	\$13.05	<u>1,566</u>
Total Direct Labor			\$19,272
Direct Labor Overhead (33.80%)			6,514
Gen. & Admin. Overhead (111.80%)			<u>21,546</u>
			\$47,332
Expenses:			
Air Travel, 2 man-trips @ \$76		\$152	
Auto Travel, 200 mi. @ \$0.17/mi		34	
Per Diem, 2 days @ \$32		64	
Rendering		0	
Printing		100	
Aerial Photography		0	
Photographs		10	
Stakes and Field Supplies		20	
Long Distance Phone		10	
Culp/Wesner/Culp (process consultants)		<u>0</u>	
			<u>390</u>
			\$47,722
Fixed Fee (Profit)			<u>6,278</u>
TOTAL FEE			\$54,000

STEP II ENGINEERING FEE BREAKDOWN
GRAND JUNCTION AND MESA COUNTY, COLORADO

PROJECT: 12.5 MGD Wastewater Treatment Plant

<u>Classification</u>	<u>Estimated Manhours</u>	<u>Average Salary Rate</u>	<u>Total Amount</u>
Principal	600	\$19.00	\$ 11,400
Project Manager	1,440	\$13.20	19,008
Project Engineer	1,920	\$12.00	23,040
Civil Engineers	840	\$11.00	8,800
Structural Engineers	1,200	\$11.75	14,100
Electrical Engineers	1,040	\$11.50	11,960
Mechanical Engineers	1,000	\$11.25	11,250
Architects	1,040	\$11.20	11,648
Drafting Technicians	960	\$ 8.50	8,160
Engineering Technicians	920	\$ 9.00	8,280
Engineering Draftsmen	7,200	\$ 6.90	49,680
Architectural Draftsmen	1,480	\$ 7.00	10,360
3-Man Survey Crew	240	\$18.50	4,440
Stenographic	800	\$ 5.75	4,600
Local Coordinator	480	\$13.05	<u>5,760</u>
Total Direct Labor			\$202,486
Direct Labor Overhead (33.80%)			68,440
Gen. & Admin. Overhead (111.80%)			<u>226,379</u>
			\$497,305
Expenses:			
Air Travel, 30 man-trips @ \$76		\$ 2,280	
Auto Travel, 3,000 mi. @ \$0.17/mi		510	
Per Diem, 30 days @ \$32		960	
Rendering		1,000	
Printing		2,500	
Aerial Photography		500	
Photographs		20	
Stakes and Field Supplies		100	
Long Distance Phone		250	
Culp/Wesner/Culp (process consultants)		<u>15,000</u>	
			<u>23,120</u>
			\$520,425
Fixed Fee (Profit)			<u>75,575</u>
TOTAL FEE			\$596,000

STEP II ENGINEERING FEE SUMMARY
GRAND JUNCTION AND MESA COUNTY, COLORADO
January 23, 1978

<u>Project</u>	<u>Step II Fee</u>
UNO 67X CONTRACTS { Pre-Design Report and Supplements	\$ 54,000
{ River Road Interceptor Sewer and Paradise Hills Interceptor Sewer - Phase II	138,600
{ Independent Avenue Interceptor Sewer	11,400
Wastewater Treatment Plant	596,000
Retention Reservoir and Pump Station	<u>54,000</u>
	\$854,000