

# BENEFIT/COST ANALYSIS WORKSHEET

## An Improvement/Rehabilitation Project

### DETERMINATION OF PROJECT BENEFITS

STEP	PROCEDURE	TOTALS
1	Determine the <i>ANNUAL NUMBER OF BOAT LAUNCHINGS</i> at the existing facility and enter the number in <b>BOX 1</b> .	<input type="text"/> <b>BOX 1</b>
2	Multiply <b>BOX 1</b> by 3 to determine the <i>TOTAL NUMBER OF USER DAYS</i> , and enter the number in <b>BOX 2</b> .	<input type="text"/> <b>BOX 2</b>
3	Multiply <b>BOX 2</b> by \$6.50 to calculate the <i>USER DAY VALUE</i> , and enter the number in <b>BOX 3</b> .	<input type="text"/> <b>BOX 3</b>
4	Estimate the <i>ANNUAL NUMBER OF BOAT LAUNCHINGS</i> at the improved facility and enter the number in <b>BOX 4</b> .	<input type="text"/> <b>BOX 4</b>
5	Multiply <b>BOX 4</b> , <i>ANNUAL NUMBER OF BOAT LAUNCHINGS</i> at the improved facility by 3 and enter the number in <b>BOX 5</b> .	<input type="text"/> <b>BOX 5</b>
6	Multiply <b>BOX 5</b> , <i>NUMBER OF USER DAYS</i> by \$7.50 and enter in <b>BOX 6</b> .	<input type="text"/> <b>BOX 6</b>
7	Subtract <b>BOX 3</b> from <b>BOX 6</b> and enter in <b>BOX 7</b> .	<input type="text"/> <b>BOX 7</b>
8	Multiply <b>BOX 7</b> by 20 and enter in <b>BOX 8</b> .	<input type="text"/> <b>BOX 8</b>
9	Multiply <b>BOX 8</b> by .65 to estimate the <i>BENEFITS GENERATED</i> by the improved project and enter in <b>BOX 9</b> .	<input type="text"/> <b>BOX 9</b>

### DETERMINATION OF PROJECT COSTS

10	Enter the <i>PROJECT DEVELOPMENT COSTS</i> in <b>BOX 10</b> .	<input type="text"/> <b>BOX 10</b>
11	Subtract <b>BOX 1</b> , <i>ANNUAL BOAT LAUNCHINGS</i> at the existing facility from <b>BOX 4</b> , <i>ANNUAL BOAT LAUNCHINGS</i> at the improved facility and multiply by \$4.50 and enter in <b>BOX 11</b> to estimate the <i>ANNUAL OPERATING COSTS</i> .	<input type="text"/> <b>BOX 11</b>
12	Multiply <b>BOX 11</b> , <i>ANNUAL OPERATING COSTS</i> by 20 to find the <i>TOTAL OPERATING COSTS</i> over the life of the project and enter in <b>BOX 12</b> .	<input type="text"/> <b>BOX 12</b>
13	Multiply <b>BOX 12</b> , <i>TOTAL OPERATING COSTS</i> by .65 and enter in <b>BOX 13</b> .	<input type="text"/> <b>BOX 13</b>
14	Add <b>BOX 10</b> , <i>PROJECT DEVELOPMENT COSTS</i> and <b>BOX 12</b> , <i>TOTAL OPERATING COSTS</i> to find the <i>TOTAL PROJECT COSTS</i> and enter in <b>BOX 14</b> .	<input type="text"/> <b>BOX 14</b>
15	Divide <b>BOX 9</b> , <i>TOTAL PROJECT BENEFITS</i> by <b>BOX 14</b> , <i>TOTAL PROJECT COSTS</i> and enter in <b>BOX 15</b> . <b>Note: This number must be greater than 1.00.</b>	<input type="text"/> <b>BOX 15</b>

# BENEFIT/COST ANALYSIS WORKSHEET

## A New Project

### DETERMINATION OF PROJECT BENEFITS

STEP	PROCEDURE	TOTALS
1	Estimate the <i>ANNUAL NUMBER OF BOAT LAUNCHINGS EXPECTED</i> and enter in <b>BOX 1</b> .	<input type="text"/> <b>BOX 1</b>
2	Multiply <b>BOX 1</b> , <i>TOTAL NUMBER OF BOAT LAUNCHINGS EXPECTED</i> , by 3 and enter in <b>BOX 2</b> .	<input type="text"/> <b>BOX 2</b>
3	Multiply <b>BOX 2</b> , <i>TOTAL NUMBER OF USER DAYS</i> by \$7.50 and enter in <b>BOX 3</b> to estimate the <i>TOTAL ANNUAL BENEFITS GENERATED</i> by the project.	<input type="text"/> <b>BOX 3</b>
4	Multiply <b>BOX 3</b> , <i>TOTAL ANNUAL PROJECT BENEFITS</i> by 20 and enter in <b>BOX 4</b> to find the <i>TOTAL PROJECT BENEFITS</i> .	<input type="text"/> <b>BOX 4</b>
5	Multiply <b>BOX 4</b> , <i>TOTAL PROJECT BENEFITS</i> by .65 and enter in <b>BOX 5</b> to determine the <i>PRESENT VALUE OF THE BENEFITS</i> .	<input type="text"/> <b>BOX 5</b>

### DETERMINATION OF PROJECT COSTS

6	Enter the <i>TOTAL ESTIMATED PROJECT COSTS</i> in <b>BOX 6</b> .	<input type="text"/> <b>BOX 6</b>
7	Multiply <b>BOX 1</b> , <i>NUMBER OF ANNUAL BOAT LAUNCHINGS</i> by \$4.50 and enter in <b>BOX 7</b> to estimate the <i>ANNUAL OPERATING COSTS</i> .	<input type="text"/> <b>BOX 7</b>
8	Multiply <b>BOX 7</b> , <i>ANNUAL OPERATING COSTS</i> by 20 and enter in <b>BOX 8</b> to obtain the <i>TOTAL OPERATING COSTS</i> over the 20-year life of the project.	<input type="text"/> <b>BOX 8</b>
9	Multiply <b>BOX 8</b> , <i>TOTAL OPERATING COSTS</i> by .65 and enter in <b>BOX 9</b> .	<input type="text"/> <b>BOX 9</b>
10	Add <b>BOX 6</b> , <i>TOTAL ESTIMATED PROJECT COSTS</i> and <b>BOX 9</b> , <i>PRESENT VALUE</i> to find the <i>TOTAL PROJECT COSTS</i> and enter in <b>BOX 10</b> .	<input type="text"/> <b>BOX 10</b>
11	Divide <b>BOX 5</b> , <i>TOTAL PROJECT BENEFITS</i> by <b>BOX 10</b> , <i>TOTAL PROJECT COSTS</i> and enter in <b>BOX 11</b> . <b>Note: This number must be greater than 1.00.</b>	<input type="text"/> <b>BOX 11</b>

# FEES/ACTIVITIES INFORMATION SHEET

Indicate Below the Fees a Person Must Pay to Launch a Boat:

Launching	_____
Parking	_____
Entrance	_____
Fishing	_____
Other** (Identify Below)	_____

Other Fee Explanation:

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Indicate Below in the Appropriate Column Whether Boaters Will Be able to Engage in the following Activities at or Near the New Launching Facility.

<u>Activity</u>	<u>Yes</u>	<u>No</u>
Swimming	<input type="checkbox"/>	<input type="checkbox"/>
Fishing	<input type="checkbox"/>	<input type="checkbox"/>
Waterskiing	<input type="checkbox"/>	<input type="checkbox"/>
Camping	<input type="checkbox"/>	<input type="checkbox"/>
Hiking	<input type="checkbox"/>	<input type="checkbox"/>
Bicycling	<input type="checkbox"/>	<input type="checkbox"/>
Picnicking	<input type="checkbox"/>	<input type="checkbox"/>

If the Answer to Any of the Above is No, Please Provide Explanation.

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