## CITY OF BAKER CITY

### ESTIMATE OF COST

**JANUARY 1 - JUNE 30, 2008**

**5 YEAR WATER CAPITAL PLAN**

Projects currently remaining in Year 1 of last years plan

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Right of Way Acquisition Little Mill to Elk Creek Settling Tank</td>
<td>15.7</td>
<td>Miles</td>
<td>N/A</td>
<td>$150,000.00</td>
<td>N/A</td>
<td>On-going costs associated with legal fees</td>
</tr>
<tr>
<td>2</td>
<td>ASR Phase II Aquifer Storage and Recovery</td>
<td>1</td>
<td>Lump Sum</td>
<td>$5,000.00</td>
<td>$5,000.00</td>
<td>N/A</td>
<td>Licensing etc.</td>
</tr>
<tr>
<td>3</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,080.00</td>
<td>$10,400.00</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>4</td>
<td>Water Meter Replacements</td>
<td>39</td>
<td>Each</td>
<td>$250.00</td>
<td>$9,750.00</td>
<td>Varies</td>
<td>Replace old meters throughout city</td>
</tr>
<tr>
<td>5</td>
<td>Reservoir Road Water Line Replacement</td>
<td>550</td>
<td>Lineal Feet</td>
<td>$52.00</td>
<td>$28,600.00</td>
<td>8&quot; D.I.</td>
<td>Install new water line and abandon old deteriorated 12&quot; C.I. line</td>
</tr>
</tbody>
</table>

**SUBTOTAL**

$203,750.00

**TECHNICAL SERVICES CHARGE**

$20,375.00

**ADMINISTRATIVE CHARGE**

$19,050.63

**TOTAL ESTIMATED COST**

$243,175.63
### CITY OF BAKER CITY
#### 5 YEAR WATER CAPITAL PLAN
Projects to be completed by 6/30/2009

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Mountain Line Replacement Phase I* (10.9 miles)</td>
<td>3750</td>
<td>Lineal Feet</td>
<td>$110.00</td>
<td>$412,500.00</td>
<td>24&quot; D.I.</td>
<td>**Road work July - October 2008. Replace existing concrete waterline May-June, 2009</td>
</tr>
<tr>
<td>2</td>
<td>D Street (Walnut to Resort)</td>
<td>250</td>
<td>Lineal Feet</td>
<td>$50.00</td>
<td>$12,500.00</td>
<td>8&quot; D.I.</td>
<td>Utility installation before street project</td>
</tr>
<tr>
<td>3</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,080.00</td>
<td>$10,400.00</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>4</td>
<td>Install Remote Read Meters</td>
<td>200</td>
<td>Each</td>
<td>$250.00</td>
<td>$50,000.00</td>
<td>Varies</td>
<td>Phase in remote read meters in commercial zone</td>
</tr>
<tr>
<td>5</td>
<td>Cemetery Irrigation Meter</td>
<td>1</td>
<td>Each</td>
<td>$9,825.00</td>
<td>$9,825.00</td>
<td>6&quot;</td>
<td>Install irrigation meter at cemetery</td>
</tr>
<tr>
<td>6</td>
<td>Old Mountain Line Replacement Little Mill Creek - Downstream</td>
<td>1100</td>
<td>Lineal Feet</td>
<td>$90.00</td>
<td>$99,000.00</td>
<td>16&quot; D.I.</td>
<td>Replace 12&quot; concrete with 16&quot; D.I.</td>
</tr>
</tbody>
</table>

**SUBTOTAL** $594,225.00

**TECHNICAL SERVICES CHARGE** $59,422.50

**ADMINISTRATIVE CHARGE** $55,550.04

**TOTAL ESTIMATED COST** $709,207.54

* Phase I is identified as the line from Marble Creek Settling Tank to the Elk Creek Settling Tank (approx. 10.9 mi.), and is a multi-year project.

** Contingent upon obtaining right of way.
ITEM NO. 1
OLD MOUNTAIN LINE REPLACEMENT
PHASE 1 (10.9 MILES) MARBLE CRK. TO ELK CRK. SETTLING TANK

YEAR 1 2008–2009
2008 - 2009
YEAR 1
ITEM NO. 5
CEMETERY
IRRIGATION METER

PROPOSED 6" WATER METER (IRRIGATION)

CEMETERY
ITEM NO. 6
OLD MOUNTAIN LINE REPLACEMENT
REPLACE EXISTING 12" CONCRETE
WATERLINE WITH 16" D.I. (1100 LF±)

PROPOSED 16" D.I.

LITTLE MILL DIVERSION

1" = 1000'

MILL CRK. DIVERSION
## CITY OF BAKER CITY
### ESTIMATE OF COST
#### 2009-2010 CONSTRUCTION
##### 5 YEAR WATER CAPITAL PLAN
Projects to be completed by 6/30/2010

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Mountain Line Replacement</td>
<td>6255</td>
<td>Lineal Feet</td>
<td>$115.50</td>
<td>$722,452.50</td>
<td>24&quot; D.I.</td>
<td>Continue Phase I Replacement of concrete waterline. July-October 2009 and May-June, 2010</td>
</tr>
<tr>
<td>2</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,184.00</td>
<td>$10,920.00</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>3</td>
<td>Install Remote Read Meters</td>
<td>200</td>
<td>Each</td>
<td>$262.50</td>
<td>$52,500.00</td>
<td>Varies</td>
<td>Phase in remote read meters in commercial zone</td>
</tr>
<tr>
<td>4</td>
<td>Geiser - Pollman Park</td>
<td>2</td>
<td>Each</td>
<td>$6,100.00</td>
<td>$12,200.00</td>
<td>2&quot;</td>
<td>Install meter</td>
</tr>
<tr>
<td>5</td>
<td>Leo Adler Field</td>
<td>1</td>
<td>Each</td>
<td>$1,500.00</td>
<td>$1,500.00</td>
<td>4&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>6</td>
<td>Reservoir Caretakers House/Lab</td>
<td>1</td>
<td>Each</td>
<td>$966.00</td>
<td>$966.00</td>
<td>1&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>7</td>
<td>Reservoir Valve Building</td>
<td>1</td>
<td>Each</td>
<td>$6,700.00</td>
<td>$6,700.00</td>
<td>4&quot;</td>
<td>Install meter</td>
</tr>
<tr>
<td>8</td>
<td>Hillcrest Islands</td>
<td>3</td>
<td>Each</td>
<td>$262.50</td>
<td>$787.50</td>
<td>3/4&quot;</td>
<td>Install irrigation meters</td>
</tr>
</tbody>
</table>

**SUBTOTAL** $808,026.00

**TECHNICAL SERVICES CHARGE** $80,802.60

**ADMINISTRATIVE CHARGE** $75,550.43

**TOTAL ESTIMATED COST** $964,379.03
2009–2010
YEAR 2

ITEM NO. 1
OLD MOUNTAIN LINE REPLACEMENT
PHASE 1 (10.9 MILES) MARBLE CRK. TO ELK CRK. SETTLING TANK
2009 - 2010
YEAR 2
ITEM NO. 4
GEISER-POLLMAN PARK
IRRIGATION METER

CAMPBELL
10' CI

GEISER - POLLMAN
PARK

PROPOSED 2' WATER METER(S)

MADISON

2' CI

2400 LIBRARY

2444

2424

2406
2009 - 2010
YEAR 2
ITEM NO. 5
LEO ADLER FIELD
IRRIGATION METER

EAST ST.

REPLACE BROKEN WATER METER WITH NEW 4" WATER METER

1 1/2" METER TO FAIRGROUNDS
2750
PROPOSED 3/4" WATER METERS (FOR IRRIGATION)

HILLCREST DRIVE ISLAND IRRIGATION METERS

2009 - 2010 YEAR 2 ITEM NO. 8
CITY OF BAKER CITY
ESTIMATE OF COST
2010-2011
5 YEAR WATER CAPITAL PLAN
Projects to be completed by 6/30/2011

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Mountain Line Replacement</td>
<td>5700</td>
<td>Lineal Feet</td>
<td>$121.28</td>
<td>$691,296.00</td>
<td>24&quot; D.I.</td>
<td>Continue Phase I Replacement of concrete waterline. July-October 2010 and May-June, 2011</td>
</tr>
<tr>
<td></td>
<td>Phase I (10.9 miles)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Auburn Ave. (4th to 7th)</td>
<td>1080</td>
<td>Lineal Feet</td>
<td>$65.00</td>
<td>$70,200.00</td>
<td>14&quot; D.I.</td>
<td>Grid enhancement - Replace sub-standard line</td>
</tr>
<tr>
<td>3</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,293.20</td>
<td>$11,466.00</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>4</td>
<td>Install Remote Read Meters</td>
<td>100</td>
<td>Each</td>
<td>$275.63</td>
<td>$27,562.50</td>
<td>Varies</td>
<td>Replace old meters as needed with remote read meters</td>
</tr>
<tr>
<td>5</td>
<td>South Baker Park</td>
<td>1</td>
<td>Each</td>
<td>$6,405.00</td>
<td>$6,405.00</td>
<td>2&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>6</td>
<td>City Hall</td>
<td>1</td>
<td>Each</td>
<td>$1,014.30</td>
<td>$1,014.30</td>
<td>1&quot;</td>
<td>Install meter</td>
</tr>
<tr>
<td>7</td>
<td>Sam-O-Swim Center</td>
<td>1</td>
<td>Each</td>
<td>$7,035.00</td>
<td>$7,035.00</td>
<td>4&quot;</td>
<td>Install meter</td>
</tr>
<tr>
<td>8</td>
<td>Sam-O-Skate Park</td>
<td>1</td>
<td>Each</td>
<td>$1,014.30</td>
<td>$1,014.30</td>
<td>1&quot;</td>
<td>Install meter</td>
</tr>
<tr>
<td>9</td>
<td>Elk Creek Settling Tank</td>
<td>1</td>
<td>Lump Sum</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td>N/A</td>
<td>Hydro plant engineering</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$825,993.10</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TECHNICAL SERVICES CHARGE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$62,599.31</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ADMINISTRATIVE CHARGE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$77,230.35</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ESTIMATED COST</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$965,822.76</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ITEM NO. 1
OLD MOUNTAIN LINE REPLACEMENT
PHASE 1 (10.9 MILES) MARBLE CRK. TO ELK CRK. SETTLING TANK
2010-2011
Item No. 2
Auburn Ave.
4th St. to 7th St
Proposed 14' DI.
2010 - 2011
YEAR 3
ITEM NO. 7 & 8
SAM-O SKATE PARK
WATER METER

ITEM #7
PROPOSED 4"
WATER
METER

SAM-O-
SWIM
CENTER
580

ITEM #8
PROPOSED 1"
WATER METER

4" INSULATED
PIPE

40' DI

STUBS ARE 21.5'
FROM CENTERLINE

STAND PIPE FOR
ICE RINK

BAKER ST.

345'

349'

184'

172'

128'

555

SAMO

N	TS

ST.
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Mountain Line Replacement Phase I (10.9 miles)</td>
<td>5500</td>
<td>Lineal Feet</td>
<td>$127.34</td>
<td>$700,370.00</td>
<td>30&quot; D.I.</td>
<td>Continue Phase I Replacement of concrete waterline. July-October 2011 and May-June 2012</td>
</tr>
<tr>
<td>2</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,407.86</td>
<td>$12,039.30</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>3</td>
<td>Install Remote Read Meters</td>
<td>100</td>
<td>Each</td>
<td>$289.41</td>
<td>$28,941.00</td>
<td>Varies</td>
<td>Replace old meters as needed with remote read meters</td>
</tr>
<tr>
<td>4</td>
<td>Cedar Acres Park</td>
<td>1</td>
<td>Each</td>
<td>$6,725.25</td>
<td>$6,725.25</td>
<td>2&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>5</td>
<td>Post Office Square</td>
<td>1</td>
<td>Each</td>
<td>$1,065.02</td>
<td>$1,065.02</td>
<td>1&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>6</td>
<td>City Warehouse</td>
<td>1</td>
<td>Each</td>
<td>$289.41</td>
<td>$289.41</td>
<td>3/4&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>7</td>
<td>City Yard</td>
<td>1</td>
<td>Each</td>
<td>$6,725.25</td>
<td>$6,725.25</td>
<td>2&quot;</td>
<td>Install meter for wash rack</td>
</tr>
<tr>
<td></td>
<td><strong>SUBTOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$756,155.22</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TECHNICAL SERVICES CHARGE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$75,615.52</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>ADMINISTRATIVE CHARGE</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$70,700.51</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL ESTIMATED COST</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>$902,471.26</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
2011–2012
YEAR 4

ITEM NO. 1
OLD MOUNTAIN LINE REPLACEMENT
PHASE 1 (10.9 MILES) MARBLE CRK. TO ELK CRK. SETTLING TANK
PROPOSED 2" WATER METER (IRRIGATION)

PARK ST., 233R

CITY PARK

1005

955

905

1000

950

900

6" DI.

IDLEWOOD ST.

233P

YEAR 4
ITEM NO. 4
CEDAR ACRES PARK
IRRIGATION METER

NTS
2011 - 2012
YEAR 4
ITEM NO. 6 & 7
CITY YARD
WATER METERS

PLACE ST.

CITY WAREHOUSE
Curb Stop

3/4" COPPER

ITEM #6
PROPOSED 3/4" WATER METER

CITY WAREHOUSE
2595
SHOP

ITEM #7
PROPOSED 2" WATER METER

6" CI.
93°

1545

6" CI.

1533

6" DI.
<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Old Mountain Line Replacement Phase I (10.9 miles)</td>
<td>5300</td>
<td>Lineal Feet</td>
<td>$133.71</td>
<td>$708,663.00</td>
<td>30&quot; D.I.</td>
<td>Continue Phase I Replacement of concrete waterline. July-October 2012 and May-June, 2013.</td>
</tr>
<tr>
<td>2</td>
<td>Replace Hydrants</td>
<td>5</td>
<td>Each</td>
<td>$2,528.25</td>
<td>$12,641.25</td>
<td>Varies</td>
<td>Replace outdated hydrants</td>
</tr>
<tr>
<td>3</td>
<td>Install Remote Read Meters</td>
<td>100</td>
<td>Each</td>
<td>$303.88</td>
<td>$30,388.00</td>
<td>Varies</td>
<td>Replace old meters as needed with remote read meters</td>
</tr>
<tr>
<td>4</td>
<td>River Park Drive Park</td>
<td>1</td>
<td>Each</td>
<td>$1,118.27</td>
<td>$1,118.27</td>
<td>1&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>5</td>
<td>River Park Drive Park</td>
<td>1</td>
<td>Each</td>
<td>$1,118.27</td>
<td>$1,118.27</td>
<td>1&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>6</td>
<td>North 3rd Street Island</td>
<td>1</td>
<td>Each</td>
<td>$303.88</td>
<td>$303.88</td>
<td>3/4&quot;</td>
<td>Install irrigation meter</td>
</tr>
<tr>
<td>7</td>
<td>Leo Adler Parkway Hughes &amp; Kirkway</td>
<td>1</td>
<td>Each</td>
<td>$1,118.27</td>
<td>$1,118.27</td>
<td>1&quot;</td>
<td>Install irrigation meter</td>
</tr>
</tbody>
</table>

**SUBTOTAL** $755,350.92  
**TECHNICAL SERVICES CHARGE** $75,635.09  
**ADMINISTRATIVE CHARGE** $70,625.31  
**TOTAL ESTIMATED COST** $901,611.33
ITEM NO. 1
OLD MOUNTAIN LINE REPLACEMENT
PHASE 1 (10.9 MILES) MARBLE CRK. TO ELK CRK. SETTLING TANK
PROPOSED 3" WATER METER (IRRIGATION)

2012 - 2013
YEAR 5
ITEM NO. 6
NORTH 3rd STREET
IRRIGATION METER
# CITY OF BAKER CITY
## ESTIMATE OF COST
### 2008-2009
#### Wastewater Capital Plan

<table>
<thead>
<tr>
<th>ITEM #</th>
<th>LOCATION</th>
<th>QUANTITY</th>
<th>UNIT</th>
<th>UNIT COST</th>
<th>ESTIMATED TOTAL COST</th>
<th>SIZE TYPE</th>
<th>OBJECTIVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Customer Requested Mainline Extensions</td>
<td>Varies</td>
<td>Lineal Feet</td>
<td>Varies</td>
<td>$10,000.00</td>
<td>Varies</td>
<td>Satisfy customer needs</td>
</tr>
<tr>
<td>2</td>
<td>Wastewater Lagoon Headworks Improvements</td>
<td>1</td>
<td>Lump Sum</td>
<td>$165,000.00</td>
<td>$165,000.00</td>
<td>N/A</td>
<td>Install Grinder</td>
</tr>
<tr>
<td>3</td>
<td>'D' Street Walnut St. to Resort St.</td>
<td>260</td>
<td>Lineal feet</td>
<td>$57.00</td>
<td>$14,820.00</td>
<td>6&quot; PVC</td>
<td>Extend wastewater to intersections</td>
</tr>
<tr>
<td>4</td>
<td>'D' Street Clark St. to East St.</td>
<td>460</td>
<td>Lineal feet</td>
<td>$60.00</td>
<td>$27,600.00</td>
<td>8&quot; PVC</td>
<td>Extend wastewater to intersections</td>
</tr>
<tr>
<td>5*</td>
<td>Alley Between Main St. and 1st St. Auburn Ave. to Broadway St.</td>
<td>1300</td>
<td>Lineal Feet</td>
<td>$62.00</td>
<td>$80,600.00</td>
<td>8&quot; Terra Cotta</td>
<td>Line 8&quot; Terra-Cotta wastewater main line with polyester resin to prevent leakage, and improve structural and flow characteristics.</td>
</tr>
</tbody>
</table>

**SUBTOTAL** | $298,020.00  
**TECHNICAL SERVICES CHARGE** | $29,802.00  
**ADMINISTRATIVE CHARGE** | $27,864.87  
**TOTAL ESTIMATED COST** | $355,686.87

* Completing Item # 5 would require a 5% rate increase.
2006-2009
Item No. 4
'D' Street
Clark Street to East Street
8' Wastewater Extension

PROPOSED 8' PVC WASTEWATER LINE

EAST ST.

CLARK ST.

ADLER FIELD

ASSESSABLE

8' PVC

8' TRANS