

## **APPENDIX B: COMPLETED PROJECT COST SUMMARIES**

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**Table B-1A - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Burden Street Improvements**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$60,000
2	Construction	---	---	---	\$900,000
TOTAL					\$960,000

Notes:

- 1) Engineering costs obtained from the April 12, 2001 memo requesting project acceptance from Council.
- 2) Construction costs obtained from the April 12, 2001 memo requesting project acceptance from Council.

**Table B-1B - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Burden Street Storm Sewer Improvements**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$8,000
2	Construction	---	---	---	\$120,000
TOTAL					\$128,000
SUBTOTAL INFLATION FACTOR					1.52
GRAND TOTAL					\$190,000

Notes:

- 1) Total engineering cost was estimated to be the total engineering cost multiplied by the fraction calculated by dividing the storm sewer portion of the construction cost by the total construction cost.
- 2) Construction costs obtained from the April 12, 2001 memo requesting project acceptance from Council.
- 3) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from April 2001.
- 4) Construction costs are rounded to the nearest ten thousand.

**Table B-2 - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Locust Street Improvements**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$9,000
2	Construction	---	---	---	\$270,000
TOTAL					\$279,000
SUBTOTAL INFLATION FACTOR					1.43
GRAND TOTAL					\$400,000

Notes:

- 1) Engineering costs obtained from the July 2, 2003 memo requesting project acceptance from Council.
- 2) Construction costs obtained from the July 2, 2003 memo requesting project acceptance from Council.
- 3) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from July 2003.

**Table B-3 - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Carter Road Detention Cell**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$190,000
2	Property Acquisition	---	---	---	\$140,000
3	Construction	---	---	---	\$690,000
4	Early Completion Bonus	---	---	---	\$60,000
	SUBTOTAL				\$1,080,000
	SUBTOTAL INFLATION FACTOR				1.30
	GRAND TOTAL				\$1,410,000

Notes:

- 1) Engineering costs obtained from the November 29, 2004 memo requesting project acceptance from Council.
- 2) Property acquisition costs obtained from the November 29, 2004 memo requesting project acceptance from Council.
- 3) Construction costs obtained from the November 29, 2004 memo requesting project acceptance from Council.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from November 2004.

**Table B-4 - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Windsor Street Relief Storm Sewer Project**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$9,000
2	Construction	---	---	---	\$170,000
TOTAL					\$179,000
SUBTOTAL INFLATION FACTOR					1.11
GRAND TOTAL					\$200,000

Notes:

- 1) Engineering costs obtained from the November 10, 2008 memo requesting project acceptance from Council.
- 2) Construction costs obtained from the November 10, 2008 memo requesting project acceptance from Council.
- 3) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from November 2008.

**Table B-5 - Final Construction Cost  
Bee Branch Storm Sewer Trunkline Improvements:  
West 32nd Street Detention Cell**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$300,000
2	Property Acquisition	---	---	---	\$2,150,000
3	Construction	---	---	---	\$1,710,000
TOTAL					\$4,160,000
SUBTOTAL INFLATION FACTOR					1.10
GRAND TOTAL					\$4,590,000

Notes:

- 1) Engineering costs obtained from the December 1, 2009 memo requesting project acceptance from Council.
- 2) Property acquisition costs obtained from the December 1, 2009 memo requesting project acceptance from Council.
- 3) Construction costs obtained from the December 1, 2009 memo requesting project acceptance from Council.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from December 2009.

**Table B-6 - Final Construction Cost**  
**North Fork Catfish Creek Drainage Basin Improvements:**  
**North Fork Catfish Creek Stormwater and Sanitary Improvements - Phase I**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$152,000
2	Property Acquisition	---	---	---	\$25,000
3	Construction	---	---	---	\$720,000
TOTAL					\$897,000
SUBTOTAL INFLATION FACTOR					1.09
GRAND TOTAL					\$980,000

Notes:

- 1) Engineering costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 2) Property acquisition costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 3) Construction costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from October 2010.

**Table B-7 - Final Construction Cost**  
**North Fork Catfish Creek Drainage Basin Improvements:**  
**North Fork Catfish Creek Stormwater and Sanitary Improvements - Phase II**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$158,000
2	Property Acquisition	---	---	---	\$6,000
3	Construction	---	---	---	\$1,052,000
TOTAL					\$1,216,000
SUBTOTAL INFLATION FACTOR					1.09
GRAND TOTAL					\$1,320,000

Notes:

- 1) Engineering costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 2) Property acquisition costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 3) Construction costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from October 2010.

**Table B-8 - Final Construction Cost**  
**North Fork Catfish Creek Drainage Basin Improvements:**  
**North Fork Catfish Creek Stormwater and Sanitary Improvements - Phase III**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$204,000
2	Property Acquisition	---	---	---	\$17,000
3	Construction	---	---	---	\$1,626,000
TOTAL					\$1,847,000
SUBTOTAL INFLATION FACTOR					1.09
GRAND TOTAL					\$2,010,000

Notes:

- 1) Engineering costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 2) Property acquisition costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 3) Construction costs obtained from the October 22, 2010 memo requesting project acceptance from Council.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from October 2010.

**Table B-9 - Final Construction Cost**  
**North Fork Catfish Creek Drainage Basin Improvements:**  
**Northwest Arterial Detention Basin Improvements**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$0
2	Property Acquisition	---	---	---	\$0
3	Construction	---	---	---	<u>\$201,000</u>
TOTAL					\$201,000
SUBTOTAL INFLATION FACTOR					1.09
GRAND TOTAL					\$220,000

Notes:

- 1) Construction costs obtained from Deron Muehring on July 24, 2013.
- 2) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from October 2010.

**Table B-10 - Final Construction Cost**  
**North Fork Catfish Creek Drainage Basin Improvements:**  
**Pennsylvania Avenue Concrete Wall**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$0
2	Property Acquisition	---	---	---	\$0
3	Construction	---	---	---	<b>\$71,000</b>
TOTAL					<b>\$71,000</b>
SUBTOTAL INFLATION FACTOR					1.09
GRAND TOTAL					<b>\$80,000</b>

Notes:

- 1) Construction costs obtained from Deron Muehring on July 24, 2013.
- 2) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from October 2010.

**Table B-11 - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Lower Bee Branch Channel**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$1,390,000
2	Property Acquisition	---	---	---	\$2,620,000
3	Construction	---	---	---	\$11,240,000
TOTAL					\$15,250,000
SUBTOTAL INFLATION FACTOR					1.05
GRAND TOTAL					\$15,960,000

Notes:

- 1) Engineering costs obtained from the August 10, 2010 memo requesting award approval from Council.
- 2) Property acquisition costs obtained from Bee Branch IJobs grant application.
- 3) Construction costs obtained from the September 10, 2011 pay request from Tschiggfrie Excavating.
- 4) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from September 2011.

**Table B-12 - Final Construction Cost**  
**Bee Branch Storm Sewer Trunkline Improvements:**  
**Historic Millworks Complete Streets Project**

No	Description	Unit	Unit Cost	Quantity	Item Cost
1	Engineering	---	---	---	\$610,000
2	Construction	---	---	---	\$6,690,000
3	Unused Materials	---	---	---	\$120,000
4	Construction Inspection	---	---	---	\$440,000
5	Testing, Environmental, Audits	---	---	---	\$120,000
TOTAL					\$7,980,000
SUBTOTAL INFLATION FACTOR					1.04
GRAND TOTAL					\$8,300,000

Notes:

- 1) Engineering costs obtained from the January 24, 2012 memo requesting project acceptance from Council.
- 2) Construction costs obtained from the January 24, 2012 memo requesting project acceptance from Council.
- 3) Unused materials costs obtained from the January 24, 2012 memo requesting project acceptance from Council.
- 4) Construction inspection costs obtained from the January 24, 2012 memo requesting project acceptance from Council.
- 5) Testing, environmental and audit costs obtained from the January 24, 2012 memo requesting project acceptance from Council.
- 6) Escalation factors are based upon the Engineering News Record (ENR) Construction Cost Index (CCI). The escalation factors are a ratio of the CCI for June 2013 against the CCI from January 2012.