

Priority 1

Bay Beach Lane Improvements

Objective: Add a new 3,200-foot 12-inch pipe parallel to the exiting 10-inch pipe to improve the area residual pressure under both PHD and PDD + FF conditions.

| Opinion of Probable Construction Cost Bay Beach Lane | | | | | |
|------------------------------------------------------|-----------------------------------------------------|-----------------|----------|--------------------------|------------------|
| Item # | Item Description | Unit | Quantity | Price* | |
| | | | | Per Unit | Extended |
| 1 | Mobilization | LS | 1 | \$60,000 | \$60,000 |
| 2 | Water Main | | | | |
| 2a | 12 inch PVC C-900 DR-18 CL 150 | LF | 600 | \$60 | \$36,000 |
| 2b | 12 inch PVC C-900 DR-14 CL 150 | LF | 2,600 | \$70 | \$182,000 |
| 3 | Water Valve Assembly | | | | |
| 3a | 12 inch Gate Valve (w/box) | EA | 4 | \$2,600 | \$10,400 |
| 4 | Water Tapping Sleeve and Valve Assembly | | | | |
| 4a | 12 inch by 8 inch Tapping Sleeve and Valve (w/box) | EA | 1 | \$3,000 | \$3,000 |
| 4b | 12 inch by 10 inch Tapping Sleeve and Valve (w/box) | EA | 1 | \$3,000 | \$3,000 |
| 5 | Air Release Valve Assembly | EA | 1 | \$1,250 | \$1,250 |
| 6 | Fire Hydrant Assembly | EA | 7 | \$3,400 | \$23,800 |
| 7 | Permanent Bacteriological Sampling Point | EA | 1 | \$1,300 | \$1,300 |
| 8 | Traffic Control | LS | 1 | \$18,000 | \$18,000 |
| 9 | Pavement Replacement | yd ² | 1800 | \$7.50 | \$13,500 |
| | | | | Subtotal | \$352,250 |
| | | | | Contingency (15%) | \$52,838 |
| | | | | Total | \$405,088 |

*Prices based on 2010 data

Priority 2

Buccaneer Lagoon Improvements

Objective: Replace the existing 4-inch or smaller pipes with approximate 6,900 feet 8-inch pipes to improve fire protections.

| Opinion of Probable Construction Cost Buccaneer Lagoon | | | | | |
|---------------------------------------------------------------|-----------------------------------------------------|-----------------|-----------------|--------------------------|------------------|
| Item # | Item Description | Unit | Quantity | Price* | |
| | | | | Per Unit | Extended |
| 1 | Mobilization | LS | 1 | \$60,000 | \$60,000 |
| 2 | Water Main | | | | |
| 2a | 8 inch PVC C-900 DR-18 CL 150 | LF | 2,600 | \$50 | \$130,000 |
| 2b | 8 inch PVC C-900 DR-14 CL 150 | LF | 4,300 | \$60 | \$258,000 |
| 3 | Water Valve Assembly | | | | |
| 3a | 8 inch Gate Valve (w/box) | EA | 27 | \$1,500 | \$40,500 |
| 4 | Water Tapping Sleeve and Valve Assembly | | | | |
| 4a | 12 inch by 8 inch Tapping Sleeve and Valve (w/box) | EA | 3 | \$3,000 | \$9,000 |
| 5 | Temporary Interconnection | EA | 3 | \$2,100 | \$6,300 |
| 6 | Grout and Abandon Existing 2 inch Water Main | LF | 700 | \$4 | \$2,800 |
| 7 | Grout and Abandon Existing 3 inch Water Main | LF | 400 | \$4 | \$1,600 |
| 8 | Grout and Abandon Existing 4 inch Water Main | LF | 5,800 | \$5 | \$29,000 |
| 9 | Air Release Valve Assembly | EA | 1 | \$1,250 | \$1,250 |
| 10 | Fire Hydrant Assembly | EA | 14 | \$3,400 | \$47,600 |
| 11 | Remove Fire Hydrant Assembly | EA | 14 | \$1,000 | \$14,000 |
| 12 | Permanent Bacteriological Sampling Point | EA | 1 | \$1,300 | \$1,300 |
| 13 | Traffic Control | LS | 1 | \$30,000 | \$30,000 |
| 14 | Pavement Replacement | yd ² | 2800 | \$7.50 | \$21,000 |
| | | | | Subtotal | \$652,350 |
| | | | | Contingency (15%) | \$97,853 |
| | | | | Total | \$750,203 |

*Prices based on 2010 data

Priority 3

Replace AC Pipes on Estero Blvd.

Objective: Replace existing old AC pipes with recommended pipes based on the Town provided information with minimum 8-inch pipes. The 8-inch and 10-inch AC pipes will be replaced with a single 12-inch PVC pipe, and the 18-inch AC pipe will be replaced by a PVC pipe.

Because the improvement costs are at least 6.7 million dollars, AECOM recommends completing the project in phases.

| Opinion of Probable Construction Cost for old AC Pipes | | | | | |
|--------------------------------------------------------|------------------------------------------------------------------|-----------------|----------|--------------------------|--------------------|
| Item # | Item Description | Unit | Quantity | Price* | |
| | | | | Per Unit | Extended |
| 1 | Mobilization | LS | 1 | \$60,000 | \$60,000 |
| 2 | Water Main | | | | |
| 2a | 8 inch PVC C-900 DR-14 CL 150 | LF | 8,200 | \$90 | \$738,000 |
| 2b | 12 inch PVC C-900 DR-14 CL 150 | LF | 24,500 | \$105 | \$2,572,500 |
| 2c | 18 inch PVC C-900 DR-14 CL 150 | LF | 2,300 | \$140 | \$322,000 |
| 3 | Water Valve Assembly | | | | |
| 3a | 8 inch Gate Valve (w/box) | EA | 6 | \$1,500 | \$9,000 |
| 3b | 12 inch Gate Valve (w/box) | EA | 201 | \$2,500 | \$502,500 |
| 3c | 18 inch Gate Valve (w/box) | EA | 3 | \$3,500 | \$10,500 |
| 4 | Water Tapping Sleeve and Valve Assembly | | | | |
| 4a | 12 inch by 8 inch Tapping Sleeve and Valve (w/box) | EA | 2 | \$3,000 | \$6,000 |
| 4b | 8 inch by 8 inch Tapping Sleeve and Valve (w/box) | EA | 1 | \$3,000 | \$3,000 |
| 4c | 18 inch by 16 inch Tapping Sleeve and Valve (w/box) | EA | 2 | \$4,000 | \$8,000 |
| 5 | Temporary Interconnection | EA | 80 | \$2,500 | \$200,000 |
| 6 | Transfer Service Connection (with Corp. Stop)¹ | EA | 100 | \$1,500 | \$150,000 |
| 7 | Grout and Abandon Existing 2 inch Water Main | LF | 27,000 | \$4 | \$108,000 |
| 8 | Grout and Abandon Existing 6 inch Water Main | LF | 3,000 | \$7 | \$21,000 |
| 9 | Grout and Abandon Existing 8 inch Water Main | LF | 29,000 | \$10 | \$290,000 |
| 10 | Grout and Abandon Existing 10 inch Water Main | LF | 20,000 | \$12 | \$240,000 |
| 11 | Grout and Abandon Existing 18 inch Water Main | LF | 2,300 | \$15 | \$34,500 |
| 12 | Air Release Valve Assembly | EA | 10 | \$1,500 | \$15,000 |
| 13 | Relocate Fire Hydrant Assembly | EA | 70 | \$3,000 | \$210,000 |
| 14 | Permanent Bacteriological Sampling Point | EA | 15 | \$1,500 | \$22,500 |
| 15 | Pavement Replacement | yd ² | 24,000 | \$7.50 | \$180,000 |
| 16 | Traffic Control² | LS | 1 | \$125,000 | \$125,000 |
| | | | | Subtotal | \$5,827,500 |
| | | | | Contingency (15%) | \$874,125 |
| | | | | Total | \$6,701,625 |

¹ Actual number of connections to be confirmed by Town, 100 assumed.

² Assume two active construction crews.

Priority 4

Replace 2" and 3" Pipes

Objective: Replace existing 2 or 3-inch galvanized steel pipes (27,500 feet) with minimum 8-inch pipes.

Because the improvement costs are at least 2.9 million dollars, AECOM recommends completing the project in phases.

| Opinion of Probable Construction Cost for 2" and 3" | | | | | |
|-----------------------------------------------------|-----------------------------------------------------|-----------------|----------|--------------------------|--------------------|
| Item # | Item Description | Unit | Quantity | Price | |
| | | | | Per Unit | Extended |
| 1 | Mobilization | LS | 1 | \$60,000 | \$60,000 |
| 2 | Water Main¹ | | | | |
| 2a | 8 inch PVC C-900 DR-18 CL 150 | LF | 10,500 | \$60 | \$630,000 |
| 2b | 8 inch PVC C-900 DR-14 CL 150 | LF | 17,000 | \$70 | \$1,190,000 |
| 3 | Water Valve Assembly | | | | |
| 3a | 8 inch Gate Valve (w/box) | EA | 12 | \$1,500 | \$18,000 |
| 4 | Water Tapping Sleeve and Valve Assembly | | | | |
| 4a | 12 inch by 8 inch Tapping Sleeve and Valve (w/box) | EA | 8 | \$3,000 | \$24,000 |
| 5 | Temporary Interconnection | EA | 10 | \$2,500 | \$25,000 |
| 6 | Grout and Abandon Existing 2 inch Water Main | LF | 16,500 | \$4 | \$66,000 |
| 7 | Grout and Abandon Existing 3 inch Water Main | LF | 11,000 | \$5 | \$55,000 |
| 8 | Air Release Valve Assembly | EA | 0 | \$1,500 | \$0 |
| 9 | Fire Hydrant Assembly | EA | 56 | \$3,500 | \$196,000 |
| 10 | Remove Fire Hydrant Assembly | EA | 56 | \$1,000 | \$56,000 |
| 11 | Permanent Bacteriological Sampling Point | EA | 5 | \$1,500 | \$7,500 |
| 12 | Traffic Control | LS | 1 | \$125,000 | \$125,000 |
| 13 | Pavement Replacement | yd ² | 11,000 | \$7.50 | \$82,500 |
| | | | | Subtotal | \$2,535,000 |
| | | | | Contingency (15%) | \$380,250 |
| | | | | Total | \$2,915,250 |

¹ Town may consider 6" PVC instead of 8" PVC.