



office memorandum

DATE: April 23, 2013
TO: Steve Lewis, City Manager
FROM: Jud Foster, Director of Parks and Recreation
SUBJECT: Fountain Proposals for Legacy Park

At the direction of City Council, Staff has been exploring various fountain options for the pond at Legacy Park. These options were presented to Council at its Study Session on April 16, 2013. Four options were presented. Details on those options are provided below. During the discussion, Council expressed the most interest in the options that provided constant vertical water flow from the arc of nozzles with additional intermittent water cannon blasts. The direction was given to proceed with Options 1, 2, 2-A and 4 at an estimated cost of \$354,000. After further study and consultation with the Delta representative, it appears that Option 2B, although not required, would be needed to achieve the visual effect Council seemed to desire. With Options 1, 2, 2-A, 2-B and 4, the water heights would be programmable; and all nozzles, cannons and scuppers would have red blue green (RBG) LED lighting. The original estimate for these options was \$476,200 with Option 2-B (estimated to cost \$122,200) adding the row of nozzles that provide the constant vertical flow. Including Option 2-B will provide a better visual appearance with more constant vertical flow, as well as additional aeration and water movement to improve water quality in the pond.

Since the April 16th meeting we have received a final quote for these options from the contractor. Option #2 was increased \$26,000 to provide additional conduit for future audio components and additional fill and concrete mounting base for the water cannons and nozzles. Option #4 was increased \$19,200 to provide under-water base and mounting brackets required to correctly position the LED lights below the scuppers. The final quote for Options 1, 2, 2-A and 4 is \$399,200. The final quote for options 1, 2, 2-A, 2-B and 4 is \$521,400. Our project consultants are currently reviewing the details of this quote with the contractor prior to filling out a change order request.

Following is a visual clarification for each of the options mentioned above, along with the costs for each.

Base bid – No additional cost

Includes 16 scuppers on perimeter wall with white incandescent lighting; floating central fountain ring with constant vertical flow and white incandescent lighting; 14 water cannons (intermittent vertical bursts – not lighted)

Typical appearance:



Intermittent appearance of base bid with water cannon bursts:



Option 1 - Deduct \$18,500 for removing the floating center fountain.

Option 2 - \$320,400

Adds 7 cannons (for total of 21); adds 21 RGB LED lights; adds programming time to animate lights and cannons; adds additional required mechanical equipment.

Similar visual appearance to base bid with addition of more cannons and RGB LED lighting.

Option 2-A - \$33,600

Adds varying height capabilities to 21 cannons; adds additional animation programming time; adds additional required mechanical equipment.

Typical appearance of option 2-A with intermittent cannon bursts. Note: there would be no constant vertical water flow with this option:



Option 2-B - \$122,200

Adds 21 constant vertical spray nozzles (independent of cannons) (LED lighting included from above)

Typical appearance of option 2-B with constant vertical flow and intermittent cannon bursts:



Option 4 - \$63,700

Replaces white incandescent lights with RBG LED lights on 16 scuppers on perimeter wall.

Appearance would be same as option 2-B with addition of RBG LED lights on 16 scuppers.

Please let me know if any additional information is needed on this matter.