

Heber Public Utility District

REPORT TO BOARD OF DIRECTORS

MEETING DATE: February 20, 2014

FROM: Laura Fischer, General Manager

SUBJECT: Information Only Regarding Cost to Construct and Maintain Basketball Courts

INFORMATION ONLY: Regarding the cost to construct and maintain basketball courts.

DISCUSSION:

At the last Board meeting, staff was instructed to bring back cost estimates to construct basketball court in our parks. Staff looked at our existing basketball facilities at Estancia Park and the potential locations at both Tito and Jiggs Johnson parks.

Existing Basketball Facilities:

Estancia Park has a half basketball court that measures 66' X 66' and has one basket, but does not have lights. This is sufficient for half court play, but does not meet regulation sizes. Estancia Park is a retention basin and staff does not recommend additional improvements to this court.

Tito Park has a cement slab that measures 40' X 80' but does not have baskets or lights. The cement is in poor conditions with some cracks. Staff asked a local contractor if it is possible to add to the size of the cement slab and overlay the existing cement for repairs. He indicated it was possible to increase the size of the court and overlay the existing slab, but cautioned that within one/two years the cracks in the cement will reappear and will need to be resurfaced. However the cost is significantly lower with this option.

Recommended Locations:

Jiggs Johnson Park

The best option would be to install a full basketball court at Jiggs Johnson Park just south of the playground area. There is plenty of area to include the basketball court and still play youth soccer. This park is not a retention basin so there is no danger of ground water damaging the playing area. The park is located in a busy neighborhood and will continue to get use once the existing playground has been repaired and benches and tables are purchased and installed.

Tito Park

Staff also recommends that the cement slab at Tito Park have baskets installed. Although this is not regulation size for high school or collegiate basketball, it is sufficient for younger players. The regulation size for a Junior High courts is 74' X 42'. So this court is long enough, but just two feet narrow. Installing baskets at both ends would benefit the community.

Staff does not recommend installing additional courts at Tito Park as was requested by Mr. Sorozano at the last Board meeting. The area just west of the Little League field is used for youth soccer. This park is heavily used as a baseball field and soccer field and staff feels that we should keep the use as is. The majority of Tito Park is a retention basin and is at low elevation. It is not recommended to construct concrete structures in the bottom of basins.

Estancia Park

Staff feels that the existing half court at Estancia is sufficient as this park is not centrally located, is at the bottom of a retention basin and does not have lights. Staff would not recommend expanding the courts at this location.

Basketball Court Dimensions:

As mentioned earlier the court sizes are as follows:

Junior High 74' X 42'

High School 84' X 50'

Collegiate 94' X 50'

It is recommended to have at minimum an additional 3 feet of playing surface on each side of the court, but 10 feet is recommended. The cost estimates below include an additional 5' playing surface on all sides of the court.

Cost Estimates:

Estimated Cement Costs

I contacted a representative from Duggins Construction and asked him what the cost to construct a basketball court would include. He stated there would be some ground/base work as the surface would have to be taken down at minimum 2 feet and the sprinkler system would have to be relocated. The surface would need to be compacted and the pouring border installed. A minimum of 5" of cement would be poured. The cost to do the surface work, framing and pouring 5" of cement is estimated at \$9.00 per square foot.

Junior High without lights: with 5' extra surface = 4,368 sq. ft. @ \$9 = \$39,312

High School without lights: with 5' extra play surface = 5,640 sq. ft. @ \$9 = \$50,760

Collegiate size without lights: with 5' extra surface = 6,240 sq. ft. @ \$9 = \$56,160

Estimated Cost of Lights

Staff also received a cost estimate to install lights. To install two playing field lights the cost estimate is at \$18,000 per light. This estimate is for the light poles, light fixtures and includes the estimated electrical work and installation.

It is estimated that we could install two lights at the courts for a total of \$36,000.

Basketball Hoops/Equipment

The cost of the basketball hoops vary, but for good quality hoops that will last with public use the estimated cost is \$1,500 per hoop. This cost does not include installation, staff estimates it will cost about \$200 to install each hoop.

Total cost per hoop is \$1,700 for a total of \$3,400 per court.

CONCLUSION:

Staff estimates that a full size high school regulation court could be constructed at Jiggs Johnson park for a total of \$ \$54,160 without lights and a total of \$90,160 with lights.

As mentioned it is possible to repair the cement and to increase the size of the slab. The estimated cost to increase the court size at Tito Park to High School size and to repair the existing cement is \$22,000.

Staff estimates the cost to install hoops and to paint the basketball court on the existing cement slab at Tito Park will be \$4,000.

The cost to maintain the courts is minimal depending on use, but would consist of new nets as needed and maintenance of the cement and painting the courts annually. Staff estimates the continued ongoing maintenance cost at \$600 per year.

Respectfully Submitted,

Laura Fischer,
General Manager