2023 INNOVATIVE IDEAS/MAJOR ACCOMPLISHMENTS

Facility Planning and Real Estate Department

NO INNOVATIVE IDEAS/MAJOR . ACCOMPLISHMENTS	BRIEF DESCRIPTION	DATE COMPLETED AND/OR ACHIEVED	BENEFIT TO BROWARD COUNTY PUBLIC SCHOOLS
County, Florida (SBBC Partnerships with Browar County Municipalities t Enable Recreationa Improvements at Selecte	d Through the years, the SBBC has periodically entered into long term (40-50 year) agreements with Broward County, municipalities, which allowed the municipalities to lease designated ground areas of selected SBBC owned schools and make defected recreational improvements to the areas. Thereabout in 2019, the Facility Planning & Real Estate (FP&RE) Department began of employing a consistent negotiation strategy/position which insisted that the municipalities should also agree to maintain in perpetuity, the leased grounds and construct municipal desired recreational amenities at their sole cost. These recreational dimprovements vary by municipality, but range from improvements such as new running tracks, multipurpose fields, socceed fields, football fields, play grounds, exercise stations, walking trails, bathrooms, table tennis; the refurbishment of existing tennis courts, outdoor basketball court(s), new tennis courts, etc. Additionally, the FP&RE Department has during discussions with the municipalities, suggested/influenced the municipalities to consider including certain amenities that are needed at the selected school campuses. Thus far, during the period cited herein, the SBBC has entered into 25 year term recreational agreements or amendments to existing 40 year term agreements with the following municipalities to make recreational improvements at selected schools: The Cities of Coral Springs, Dania Beach, Fort Lauderdale, Lauderhill, Miramar, and Pompano Beach; and currently, the FP&RE Department is finalizing efforts for SBBC to enter into new agreements with the Cities of North Lauderdale, and Sunrise.	2023	Thus far in the cited period, pertinent municipalities have committed to spend approximately \$52,704,744.00 to refurbish existing recreational or make new recreational improvement to selected SBBC schools. The primary benefit of these improvements to the schools is the presence and availability of such recreational amenities within the school grounds, and the ability for the students to access and utilize the recreational amenities during school hours. Likewise, the SBBC agreement with the municipalities, permits the municipalities (including their residents) to access and utilize the recreational amenities during after school hours, weekends, and SBBC recognized holidays. Therefore, these partnerships, not only benefits SBBC and the selected schools, but the municipalities and their residents; as such, it is a win-win. For emphasis, notable examples of these partnership was the completion and opening of McNair Park in Pompano Beach by the City of Pompano Beach, where the City spent millions of dollars to construct new recreational facilities. A portion of the grounds is leased by the City from BCPS. The park is located adjacent to Cross Creek School, and the long term agreement between the School Board and the City allows the school to utilize the park. Another notable example is the completion and opening of West Ken Lark Park, located adjacent to Wingate Oaks Center and Larkdale Elementary School, where the City of Lauderhill spent millions of dollars to construct new recreational facilities. The park ground is leased by the City from BCPS. The long term agreement between the School Board and the City allows both schools and other BCPS in the City to utilize the park.
Courts at Pertinent Browar	Is Based on the success of SBBC partnerships with Broward County Municipalities to make recreational improvements at diselected BCPS school grounds, the FP&RE Department took proactive steps to identify SBBC schools with dilapidated tennis courts. The efforts confirmed that existing tennis courts at 53 middle and high school campuses are dilapidated Subsequently, the Department made a presentation at a 2022 meeting of Broward County and municipal parks and recreation directors, and advised the meeting participants of the following: 1. The conditions of the tennis courts; 2. About opportunities for municipalities to enter into long term (i.e. 25 years) agreements with SBBC to commit to refurbish and maintain tennis courts at selected Broward County Public Schools (BCPS) campuses, at their sole costs; 3. In exchange, the municipalities (including their residents) would have access to and utilize the recreational amenities during after schoo hours, weekends, and SBBC recognized holidays. Thus far, the Cities of Coral Springs, Dania Beach, Fort Lauderdale, and Miramar have entered into agreements with SBBC to construct new or refurbish and maintain tennis courts at selected BCPS campuses located within their jurisdictional boundaries. Currently, the FP&RE Department has ongoing meetings/discussions with certain municipalities to do the same. Likewise, the FP&RE Department contacted the United States Tennis Association (USTA) with the same opportunities presented to the municipalities. However, the USTA informed the Department about available USTA grants that BCPS could apply for to meet the Department's envisioned goal Subsequently, the Department to apply for the USTA grants in the following three (3) categories of USTA grants: 1 Facilities refurbishment; 2. Program/equipment (nets, requests, balls, coaching); 3. Wheel chair tennis. Subsequently, BCPS applied for USTA Program Grants for Crystal Lake Middle School received \$6,320.00. Also, BCPS applied for the USTA Equipment Grants for Crystal Lake Middle School, a		Currently, the benefits to SBBC are the awarded cited grants received by Crystal Lakes Middle School, South Broward High School, and McArthur High School. Current BCPS plans are to apply for specific grants for additional schools in the 2024 USTA grants cycle which closes in October 2024.

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	Information Modeling Revit Drawings of SBBC Schools Located in the City of Miramar with 3D Geographic Information System	In 2016, the FP&RE Department proactively acquired 3D Building Information Modeling (BIM) Revit software and thereafter, commenced converting all BCPS 2D Computer Aided Drafting (CAD) schools and administrative facilities site plan and floor plan drawings into 3D BIM Revit format. In 2020, the FP&RE Department approached the City of Miramar to discuss a potential collaboration between BCPS and the City, whereby, the Department will model all 17 SBBC 2D CAD site plan and floor plan school facilities drawings, located in the City, into 3D BIM Revit; and upon completion, provide the 3D Mode drawings to the City, for the City to subsequently merge the drawings into 3D Geographic Information System (GIS). In 2021 selected BCPS staff, including the Superintendent of Schools, upper management staff, the Assistant Principal of Dolphin Bay Elementary School, the FP&RE Department, selected City staff including the assistant to the City Manager, a Broward County Sherriff representative, and two representatives from ESRI (the manufacturers of the GIS software), met to view the successfully completed 3D BIM Revit/3D GIS model of Dolphin Bay Elementary School, which was the initial pilot for the project. Thereafter, the FP&RE Department proceeded to model the remaining 16 2D CAD site plan and floor plan school facilities drawings into 3D BIM Revit format. Subsequently, the Department delivered the completed models to the City in late December 2022. Thereabout in summer 2023, the transmitted the merged 3D BIM Revit/3D GIS models to the Department. This joint effort is noteworthy, because BCPS is the first K-12 school district in the State of Florida, and at least amongst a few in the United States, who has its school facilities drawings in 3D BIM Revit/3D GIS format.		3D BIM Revit is primarily an architectural structural software with built- in intelligence, which contains attributes (data) and has query capabilities. Likewise, 3D GIS is primarily a spacial software with built- in intelligence, that is primarily utilized to map roads, sidewalks, bridges, landscape, mountains, etc., and which contains attributes and has query capabilities. Both software's are compatible. In a nutshell, both software's can communicate with each other. Therefore, based on their stated capabilities, the merged 3D BIM Revit/3D GIS models of the schools, provides BCPS with a myriad of opportunities to view the models and all modeled components such as, but not limited to classroom, auditorium, media, lab, cafeteria, kitchen, etc. spaces; site plan components, such as playground/equipment's, fencing, trees, other landscape features, road(s) adjacent to school sites, and city park amenities, in 3D view. Additionally, all inputted attributable data such as square footages of captured spaces, room type, assigned Florida Inventory of School Houses (FISH) room numbers, capacity, room assigned to teachers, school acreage, road name and type, etc. would be at the users finger tips, by query and retrieval, and graphically viewed in 3D. Also, the merged models would be beneficial towards efforts to secure BCPS facilities.
4	to Rent Broward County Public School Facilities	According to Facilitron, its software also named Facilitron, provides and enables public schools and colleges to lease and manage their facilities more efficiently. Through its agreement with the SBBC in October 2022, Facilitron henceforth begar serving as BCPS's new online facility request and rental system, which the system is designed to provide a positive experience to all users of the system. The FP&RE Department became aware of the Facilitron software in early 2018, when the Director FP&RE Department attended and participated at an invite only educational professional summit (Edu-Tech Summit) Immediately, the Director saw a potential in Facilitron or its equivalent, replacing at some point in time, the then BCPS renta system, with a better advanced rental software, that would allow BCPS to more efficiently rent out its school facilities Thereafter, the Department conducted additional research on facility rental software systems, and subsequently worked with the BCPS Procurement & Warehousing (P&W) Department to issue a Request for Information (RFI) regarding a renta system. Subsequently, the P&W Department posted RFI FY23-111 on Demandstar, from February 4, 2022 through March 16, 2022, under Bid No. FY22-249; and upon conclusion of the RFI process, Facilitron was selected as the successful vendor. Or October 11, 2022, SBBC entered into a three (3) year agreement with Facilitron, for the purposes of utilizing the software as its new online rental system. Subsequently, the FP&RE Department took the lead and coordinated with other pertinent BCPS Departments and Facilitron representatives to put necessary measures in place (including trainings to school principals school/facility facilitators, and other pertinent BCPS department staffs) for Facilitron to go LIVE District wide, on January 1, 2023.		With Facilitron, facility reservation requests to rent BCPS facilities can be submitted easily online, and processed more efficiently. Renters will be able to access photos and descriptions of the BCPS facilities, see real-time availability, get estimated quotes and pay online for all facility rentals. Thus, the use of Facilitron's software as the new BCPS online facility request and rental system, will at a minimum, allow BCPS to more efficiently schedule facility rental request, manage and track facility usage, gauge the number of attendees at events conducted in rented BCPS facilities, allow for the consolidation of a school's internal and external calendar, enable the query of data embedded in Facilitron, including the generation of customized reports, etc. Most importantly, the SBBC did not incur any costs to acquire the Facilitron software, and is not incurring any cost to utilize the software. Reasons being that Facilitron is a fee based system; which means the fees due to Facilitron, are paid by each renter, via structured applicable percentages that are tacked on to the total rental amount due to the renter, for the rental of the BCPS facility. Another benefit to BCPS is that Facilitron advertises BCPS facilities for free to the general public. Additionally, in 2023, BCPS realized \$1,318,171.50 from the rental of its facilities. It should be noted that components of this amount were for fees paid for items such as custodians, utilities, etc.