Application Score Sheet

Proposed Project: STEM Workforce Training Center, Bay District Schools (#59)
Proposed Project/Program County: Bay
Board of County Commission Support: Yes

Total Projected Project Cost: $25,737,606.00
Match Provided: $15,737,606.00
Triumph Funds Requested: $10,000,000.00 (39%)
Triumph Funds Recommended by Staff: $0.00

Score: C
Date: May 29, 2018

Economic Impact Score

The Bay County School District (BCSD) proposal describes a project to construct a Science, Technology, Engineering, and Math (STEM) Training Facility at Bay High School. The Triumph request of $10,000,000 represents 39 percent of total project cost.

The BCSD sees a need for infrastructure improvements to enable increased quality and quantity of high school student participation in STEM activities, as is described in the paragraphs of the Project Summary provided below.

The proposal does not identify the planned growth in numbers of industry-recognized certificates that would be awarded in specific occupations that are of high demand in the local and regional economy. Staff were unable to identify specific measurable outcomes that could serve as the basis for a performance-based contract. Staff find that the proposed Triumph contribution to the construction project supplants spending that would normally be done by the BCSD via their usual funding mechanisms for needed capital outlays. For these reasons, staff rate this program "C" in terms of economic impact to Bay County.

Project Summary (based on information provided by the applicant)

Bay District Schools is requesting $10,000,000.00 in Triumph finding to construct a STEM Workforce training center at Bay High School in downtown Panama City. The facility will be approximately 49,697 square foot.

Construction and program plans are already in progress for a traditional Science building. If funded, the planned construction of the proposed STEM Training Center would be integrated into the current planning process with a planned completion of February 2020.

The proposed project would be the first Bay District Schools state-of-the art STEM Workforce Training Center. The center would play a role in building a sustainable workforce pipeline from

one of the most socioeconomically and racially diverse high schools in Bay County. The programs offered within the center would be an entry point for all 1100 plus students to participate in STEM career curriculum.

Through the STEM Workforce Training Center, every student in the school will be exposed to a career and technical training environment and have opportunities to engage in a combination of career and technical education (CTE), advanced STEM coursework, career academies and earn industry certifications.

Students will develop skills that charts a career pathway toward securing high-demand occupations upon graduation or allows them to enter a post-secondary degree program from Gulf Coast State College, Florida State University Panama City or any other Florida college or university. Credits and certificates earned could also be articulated to area post-secondary institutions as well as at Tom P. Haney Technical Center.

The planned training labs will include Health Sciences, Robotics & Engineering, Technology, Manufacturing and Welding. These Workforce Training Labs will be flexible and easily transformed as industry training needs are identified. The priority focus will be to provide skill-based career training that ensures that high school students from such programs are career-ready and prepared to be employed upon graduation or can readily enter aligned programs at Gulf Coast State College, Haney P. Technical Center and other educational institutions throughout Northwest Florida.

The second and third floor of the building will include classroom spaces, computer labs and laboratories that are adequately equipped for advanced Science instruction and are ADA compliant. The new labs will have adjacent support spaces, built in secure storage casework, lab work tables, teacher demonstration tables, fume hoods, interactive SMART boards, emergency eye wash and gas cut off equipment. Classrooms are planned to be constructed to support lab instruction activities and mathematics. These learning spaces will be equipped with the latest in interactive electronic learning technologies. Training of best practices and innovative teaching in STEM and CTE education will be prioritized in the center.

The STEM Center will also serve as a resource for many other activities that support a regional approach in meeting the Triumph fund priorities including industry and economic development tours to demonstrate area workforce potential. The STEM Training Center would be an added destination for site visits by companies that have an interest in gaining a foothold to the region.

Area high demand STEM related positions have an average entry wage that range from just over $12 an hour to over $40 an hour depending on the position. There is a long-term expected benefit after students graduate and complete the necessary and aligned Post-secondary programs at Gulf Coast State College, Florida State University-Panama City and other educational institutions throughout the region. Upon completion, students will be able to be candidates for “highly skilled” in demand positions that are considered to have high entry wages in fields that are predicated to grow.

In 2016, Bay High students earned a 100% passing rate on the AP Calculus exam and the AICE Mathematics exam. Ninety percent of the AICE Freshman enrolled in Physics while 80% of the AICE Sophomores enrolled in Chemistry. Much of this success is attributed to Bay High's participation in the National Math and Science Initiative (NMSI) College Readiness Program, a $2,668,330 Department of Defense grant provided to increase five Bay District High Schools' student enrollment in AP courses and passing scores on the AP exams in Science, Math, and English over the next 3 years. This funding was offered to Bay District Schools due to the significant population of military families within the Bay County area.

The Florida Forward Technical Report, a strategic economic development collaborative for Northwest Florida, indicates that there is a labor shortage of high skilled workers (bachelor's degree and higher) in all 13 counties in Northwest Florida. The percentage of the region's population with a bachelor's degree or higher (23.0%) is behind both the state of Florida (26.8%) and the nation (29.3%). The situation is compounded by the limited number of secondary and postsecondary level students that graduate with career and technical education, that earn industry certifications, and who have successfully completed high-level STEM classes that academically prepare them for STEM related career pathways.

The project will strengthen the career pathway models that have already been charted by a collaboration with Bay District Schools, Gulf Coast State College and Florida State University-PC to ensure that the transition from high school CTE to college is clear. Data support that high demand and higher than average wage occupations listed by the Florida Department of Economic Opportunity for affected counties continue to grow and include careers that require high quality secondary STEM education as a critical foundation toward those career pathways.

Long-term impacts are proposed to be measured through an analysis of labor market and census data from the inception of the project year after year. Data to be measured include a comparison of the Department of Economic Opportunity high demand occupations list indicators (the number of job openings) in STEM related fields, employment rates, and educational attainment rates for the county.

Funding and Budget (as provided by the applicant)

5. Please provide a Project/Program Budget. Include all applicable costs and other funding sources available to support the proposal.

A. Project/Program Costs:

CATEGORY	DESCRIPTION	PROPOSED BUDGET
Construction	49,697 sq. feet building (including STEM labs, classrooms and spaces)	22,403,606
Professional Contract	Design Fees, Engineering, Testing and Inspections	1,149,000
Land Acquisition	chiller plant (95,000), parking (400,000)	495,000
Furnishings and Equipment	Workforce Training labs (Manufacturing, Health Sciences, Engineering, Welding, Robotics)	240,000
Salaries	including but not limited to 17 Math, Science and Health teachers, CTE Director (% of time) and STEM Director (% of time), and Bay High School administrators.	1,450,000
Other		
	TOTAL PROJECT COST	25, 737, 606

Other Project Funding Sources:

Source	In-kind/Cash	Amount
Bay District Schools – Half-cent sales tax allocation	CASH	$10, 000, 000
Bay District Schools- Local Capital improvement	CASH	$3, 612, 606
Bay District Schools - Salaries	CASH	$1 ,450, 000
Other: Anonymous	In-Kind	$675, 000
	TOTAL OTHER FUNDING	**$ 15, 737, 606**

Total Amount Requested: $10,000,000.00

- Construction Cost: The total construction cost is $23,403,606. The cost includes the furnishings and technical equipment for classroom instruction space and science labs. Draws from the half- cent sales tax allocation of $10 million dollars will be committed toward this total cost according to the program timeline.
- Professional Contract: The total cost is $1,149,0000 for all design fees, architectural plans, engineering and land testing. The half-cent sales tax allocation of $10 million dollars has been committed toward this cost according to the program timeline.
- Land Acquisition: The total cost is $495,000. Cost includes the location for a chiller plant and parking lot dedicated to the center.
- Furnishings and Equipment-Workforce Training Lab: The total cost for the labs is $240,000.
- Salaries: The total cost of salaries of teachers and administrators for center is $1,450,000. The total funding will be provided by Bay District Schools.

Letters of Support
Bay County Chamber of Commerce
Maritech Machine Inc.
Bay EDA
HealthSouth Emerald Coast Rehabilitation Hospital
Oceanneering
Berg Steel Pipe, Inc.
Bay Medical Sacred Heart