

TRIUMPH GULF COAST, INC. PRE-APPLICATION FORM

Triumph Gulf Coast, Inc. (“Triumph Gulf Coast”) has created a pre-application process to provide initial consideration of eligibility for potential ideas of projects or programs that may seek an award of funding. Applicants are required to participate in the pre-application process. Notwithstanding the response from Triumph Gulf Coast on the pre-application form, an Applicant may still elect to submit an Application.

APPLICANT INFORMATION

Name of Individual/Entity/Organization: Okaloosa County School District

Proposal Title: Artificial Intelligence in Logistics and Distribution

Amount of Triumph Funds Requested: \$828,000

Estimated Project Cost: \$5,020,200

Brief Description of Individual/Entity/Organization:

The Okaloosa County School District (the “District”) is home to approximately 32,000 K-12 students who attend forty-two public (42) schools, three of which are public charter schools. Okaloosa County is also home to Eglin Air Force Base, Hurlburt Field, and a 7th Special Forces group. The District is privileged to count the 6,000 dependents of active duty military personnel among its students (approximately 20% of our enrollment). The District is active in developing and implementing Career Technical Education programs that provide numerous certification opportunities for students.

Contact Information

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Names of co-applicants, partners or other entities, organizations that will have a role in the proposed project or program:

The Okaloosa County School District is the sole applicant for this funding, however, the District will seek to develop formalized relationships with recognized industry leaders, university-level programs if applicable, and local economic development entities to ensure that the outcomes associated with this program are credential-based, forward-thinking, and place Okaloosa County students in the best position to succeed and support the overall economic development of the region. The project is being submitted to the Okaloosa County Board of County Commissioners at its next meeting.

REQUIRED EXECUTIVE SUMMARY

Application of Artificial Intelligence (AI) in logistics and distribution is an incredibly diverse and expanding field. The direct impact of AI in these areas is felt by anyone who has ever ordered something from Amazon or any other service and had it delivered in 24 hours. Before that package arrives, software has analyzed volumes of data to provide the optimal way to complete the task. This type of analysis is often referred to as Narrow AI, and it is so much more than simply identifying the best route to take to deliver a product. It's also the analysis of how to obtain, produce, store, and distribute goods in the right quantities and qualities at the right time for the end user.

The impact of Narrow AI on logistics and distribution cannot be understated. A recent report from McKinsey Analytics estimated that the potential economic-value creation from Artificial Intelligence in the next 20 years in supply chain alone at \$1.3 trillion dollars. Forbes Insight research showed that 65% of senior transportation-focused executives believe that logistics, supply chain, and transportation have brought about "an era of profound transformation". Going forward, every business that deals in the acquisition, storage, and distribution of goods on any significant level will be dependent on AI to stay competitive in the marketplace. That certainly includes businesses in the counties adversely impacted by the Horizon oil spill.

The Okaloosa County School District recognizes the intensity and pace at which Narrow AI is being developed and has identified a gap in K-20 education in Northwest Florida that needs to be filled. The District is intent on developing a transformational program that produces students with industry-recognized credentials in the area of AI – Logistics and Distribution by the time they graduate. In doing so, the District will be promoting the ongoing economic recovery of Northwest Florida.

To this end, the District is seeking \$828,000 in Triumph Gulf Coast funding from an overall six-year estimated budget of \$5,020,200 to develop an AI – Logistics and Distribution program. The funding requested in this grant will support initial salaries, curriculum, professional development, and equipment and supplies through the developmental phase of the program which includes a planning year and Year 1. It is anticipated that by Year 3, the program will approach self-funding status through the Florida Education Finance Plan (FEFP) and earned CAPE certifications (See proposed timeline and estimated budget below). Following a planning year, the AI-Logistics and Distribution program will be implemented in 2022-2023 in an elementary, middle and high school feeder pattern in Okaloosa County in grades 4, 6, and 9, respectively. The program will expand in 2023-2024 to grades 5, 7, and 10 in those schools and will also be implemented in a second feeder pattern. Growth through grade progression will continue through in both feeder patterns through grade 12.

The grant-funded planning year will give the District the ability to identify and recruit industry partners, possibly including our military community, and to identify certifications that will align student outcomes with industry requirements. The District will take advantage of any current Logistics and Distributions certifications that exist on the CAPE Industry Certification Funding List if they are aligned to our program outcomes. The District expects that new certifications will need to be adopted as this is a new area of focus in K-12 education.

The District recently launched its Kids C.O.D.E initiative that teaches coding skills to elementary school students throughout Okaloosa County in an after-school format. We believe the skills learned

in this program by our younger elementary school students will serve as a tremendous foundation for those who progress into the AI – Logistics and Distribution program.

To the extent that a charter, private, or home school student can benefit from access to the AI – Logistics and Distribution program, they would be welcome to participate as a guest student. Or, the District will share curriculum resources and offer professional development to any non-traditional school seeking to start a similar program on its own campus.

OKALOOSA COUNTY SCHOOL DISTRICT ARTIFICIAL INTELLIGENCE IN LOGISTICS AND DISTRIBUTION PROPOSED BUDGET AND TIMELINE						
	2021-2022	2022-2023	2023-2024	2025-2026	2026-2027	2027-2028
	Planning	Year 1	Year 2	Year 3	Year 4	Year 5
PROPOSED TRIUMPH GRANT FUNDING						
Salaries	\$ 302,000	\$ 302,000	\$ 86,400			
Professional Development		\$ 10,800	\$ 10,800	\$ 11,200		
Curriculum Development	\$ 30,000					
Supplies and Equipment	\$ 15,000	\$ 30,000	\$ 30,000			
OKALOOSA SCHOOLS FUNDING						
	Planning	Year 1	Year 2	Year 3	Year 4	Year 5
Salaries			\$ 648,000	\$ 1,008,000	\$1,224,000	\$1,296,000
Professional Development					\$ 8,000	\$ 8,000
Curriculum Development				\$ 30,000		
Estimated Program Enrollment	-	200	600	800	900	1000
CAPE FUNDING Certifications earned and paid the following year	-	50	200	200	300	400

IMPORTANT NOTICE

This pre-application process will **not** result in an award of funding by Triumph Gulf Coast. Rather, this process is designed to facilitate submission of ideas for potential projects or programs before the Applicant expends time and/or resources to complete a full Application. All Applicants for funding are required to complete an Application, which will be reviewed and then considered for award at the discretion of Triumph Gulf Coast Board.

Please Select the Proposal’s Eligibility Category(s)

Pursuant to Section 288.8017, Triumph Gulf Coast, Inc. was created to make awards from available funds to projects or programs that meet the priorities for economic recovery, diversification, and enhancement of the disproportionately affected counties. The disproportionately affected counties are: Bay County, Escambia County, Franklin County, Gulf County, Okaloosa County, Santa Rosa County, Walton County, or Wakulla County. *See*, Section 288.08012.

1. From the choices below, please check the box that describes the purpose of the proposed project or program (check all that apply):

- Ad valorem tax rate reduction within disproportionately affected counties;
- Local match requirements of s. 288.0655 for projects in the disproportionately affected counties;
- Public infrastructure projects for construction, expansion, or maintenance which are shown to enhance economic recovery, diversification, and enhancement of the disproportionately affected counties;
- Grants to local governments in the disproportionately affected counties to establish and maintain equipment and trained personnel for local action plans of response to respond to disasters, such as plans created for the Coastal Impacts Assistance Program;
- Grants to support programs that prepare students for future occupations and careers at K-20 institutions that have campuses in the disproportionately affected counties. Eligible programs include those that increase students' technology skills and knowledge; encourage industry certifications; provide rigorous, alternative pathways for students to meet high school graduation requirements; strengthen career readiness initiatives; fund high-demand programs of emphasis at the bachelor's and master's level designated by the Board of Governors; and, similar to or the same as talent retention programs created by the Chancellor of the State University System and the Commission of Education, encourage students with interest or aptitude for science, technology, engineering, mathematics, and medical disciplines to pursue postsecondary education at a state university or a Florida College System institution within the disproportionately affected counties;
- Grants to support programs that provide participants in the disproportionately affected counties with transferable, sustainable workforce skills that are not confined to a single employer; and
- Grants to the tourism entity created under s. 288.1226 for the purpose of advertising and promoting tourism and Fresh From Florida, and grants to promote workforce and infrastructure, on behalf of all of the disproportionately affected counties.

Please Select the Priorities this Proposal's Outcomes will Achieve

1. Please check the box if the proposed project or program will meet any of the following priorities (check all that apply):

- Generate maximum estimated economic benefits, based on tools and models not generally employed by economic input-output analyses, including cost-benefit, return-on-investment, or dynamic scoring techniques to determine how the long-term economic growth potential of the disproportionately affected counties may be enhanced by the investment.

- Increase household income in the disproportionately affected counties above national average household income.
- Leverage or further enhance key regional assets, including educational institutions, research facilities, and military bases.
- Partner with local governments to provide funds, infrastructure, land, or other assistance for
- Benefit the environment, in addition to the economy.
- Provide outcome measures.
- Partner with K-20 educational institutions or school districts located within the disproportionately affected counties as of January 1, 2017.
- * Are recommended by the board of county commissioners of the county in which the project or program will be located.
- Partner with convention and visitor bureaus, tourist development councils, or chambers of commerce located within the disproportionately affected counties.

*This project is being submitted to the Okaloosa County Board of County Commissioners at its next scheduled meeting for their consideration.