

## ABSTRACT

- I. **Lead Applicant Name:** Southeast Michigan Community Alliance (SEMCA)
- II. **Lead Applicant City/State:** City of Taylor, Wayne County, Michigan
- III. **Primary Partnership Entities:**
  - a. Private Sector Entity: AK Steel, Dearborn, Michigan
  - b. Public Sector Entity: Southeast Michigan Community Alliance (SEMCA)
- IV. **Additional Key Partners:** Henry Ford, Oakland, Schoolcraft, St. Clair and Washtenaw Community Colleges, Wayne State University, Workforce Intelligence Network (WIN, a program of SEMCA), Oakland and Livingston Michigan Works!, Michigan Department of Military and Veteran’s Affairs, Lightweight Innovations For Tomorrow (LIFT).
- V. **Areas Served by Grant:** The Center for Apprenticeship Innovation (CAI) covers a 13-county contiguous region “Advance Michigan”, designated in 2014 as an Investing in Manufacturing Communities Partnership (IMCP). The region covers Clinton, Eaton, Genesee, Ingham, Lapeer, Livingston, Macomb, Monroe, Oakland, St. Clair, Shiawassee, Washtenaw, and Wayne counties, and cities of Detroit, Pontiac, Lansing, Ann Arbor, and Flint. Programs and practices developed through this grant will produce flexible, responsive and replicable approaches to talent development for statewide, regional and national audiences.
- VI. **Total Funding Level Requested:** \$4,000,000
- VII. **Project Name:** Advance Michigan Center for Apprenticeship Innovation (CAI)
- VIII. **Summary of Program Activities:** The AAI will strengthen the ecosystem of intelligent transportation systems through a talent pipeline supporting the complex and rapidly evolving technology of 21<sup>st</sup> century transportation design. This grant supports **all** partner community colleges in establishing or expanding apprenticeship programs and, in doing so (1) integrates best practices tailored to institution, industry and employer needs and (2) creates new models for

learning innovation replicable across a network of engaged partners. This project (a) leverages existing education and training resources to create an adaptable and sustainable model responsive to the changing technical needs of ITS; (b) creates career pathways in the high-demand and evolving industry sectors of the new-age automotive and transportation infrastructure and offers stackable industry credentials for high demand skills; (c) adjusts course content to ensure learning responds to industry demand by focusing on business process outcomes rather than just seat time and theoretical learning; (d) standardizes expectations through an innovative "content configurator," allowing colleges to compare, adjust, redefine or modify course for a single employer-customer, while ensuring that core competencies are consistent and transferrable; (e) uses differentiated learning focused on performance-based assessments and diverse mediums such as online, labs, and after-business hours offerings; and (f) reduces cost to employers while enhancing ROI by leveraging multiple funding sources like grants, scholarships and other programs.

**IX. Total Number of Participants to be Served:** 853

**X. Populations to be Served:** Workers in the 13 county Advance Michigan region, focusing on the population centers of Southeast Michigan and targeting the hard to reach populations of veterans, minorities, females, dislocated workers in this geographic area.

**XI. Targeted Industry/Occupations:** High demand H1-B occupations including: Advanced Manufacturing Processes, Auto Service Diagnostic Techs, CAD, Connected Mobility, Die Designer/Maker, Industrial Plant Electrician, Machinist, Mechatronic Tech, Metallurgy, Mold Maker, Tool & Die, Tool Designer/Maker, IT Generalist and/or Developer, Welding.

**XII. Public Contact Information:** Lisa Katz, Workforce Intelligence Network/SEMCA, 25363 Eureka Road, Taylor, MI, 48180-5051. Email: [lisa.katz@win-semich.org](mailto:lisa.katz@win-semich.org). 248-762-4596.