Adrian B. Mims* (abmims20@gmail.com), 168 Pond Street, Randolph, MA 02368. The Calculus Project: Re-envisioning the Brilliance of Black and Latino students in Mathematics.

The Calculus Project (TCP) was conceived in 2009 in one schoolhouse – Brookline High School in Massachusetts – in response to:

1) the historical and ongoing dismal data at Brookline High, replicated nationally, on the math achievement of African American students; 2) the predictive power of success in high-level mathematics in high school – particularly calculus – on overall graduation rates from college, and increased enrollment and success in the STEM disciplines at college; 3) the very positive prospects for employment in the STEM professions in our nation where millions of STEM positions are going unfilled, and where there are continued low numbers of STEM professionals of color.

TCP is defined by its comprehensiveness, high expectations, cultural sensitivity and commitment to sustainability. Calculus Project programs begin in the middle schools and expand to high schools over a five-year period. TCP provides the kind of services and supports to historically underachieving students that more advantaged families and communities provide to their children. These include: 1) The Summer Academy; 2) The After-School Academic Center; 3) The Pride Curriculum; 4) Field trips to STEM worksites; 5) Peer-teaching; and 6) A class grouping strategy. (Received September 17, 2019)