



Bryan Sooter
SENIOR STAFF CONSULTANT

bcsooter@engsys.com

Mr. Bryan Sooter is a Senior Staff Consultant with ESi. Based out of the Norcross, GA office, he works closely with the Rail and Civil Engineering practice groups. Mr. Sooter has over a decade of experience working in various roles at the Alaska Railroad. He operated in roles such as Train Dispatcher, Locomotive Engineer, Conductor/Hostler, and Brakeman, concentrated on safe and systematic movement of freight and passenger trains throughout the Alaska Railroad system. Mr. Sooter's responsibilities include train operation assessments, railroad accident investigation analyses, train derailment and crossing accident investigations, evaluation of train handling issues, and data analysis.

With this wealth of knowledge and experience, Mr. Sooter became a mentor for new conductors, locomotive engineers and train dispatchers at Alaska Railroad Company. Giving presentations on rules and regulations, including multiple classes to locomotive engineers to foster a better understanding of train dynamics and physics.

Mr. Sooter holds an M.S. degree in Civil Engineering from the University of Illinois at Urbana-Champaign and a B.S. in Civil Engineering from the University of Alaska at Anchorage. In addition to his coursework in railroad track/transportation engineering and construction, he also has a strong background in structural, geotechnical, and arctic engineering.

Areas of Specialization

Railroad Accident Investigation / Derailment Cause Determination
Railroad Safety, Rules, and Operations
Engineering Analysis

Education

M.S., Civil Engineering, University of Illinois, Urbana-Champaign, Illinois, 2018
B.S., Civil Engineering, University of Alaska Anchorage, 2017

Professional Licensures

Fundamentals of Engineering (EIT) Certificate - NCEES 18-386-06
49 CFR Part 240 Certified Passenger and Freight Locomotive Engineer

Professional Affiliations/Honors

The American Railway Engineering and Maintenance-of-Way Association (AREMA)

Member, 2013 - Present

American Society of Civil Engineers (ASCE)

Member, 2018 – Present

Dr. Alex Hills Engineering & Civic Engagement Award Recipient - 2017

InnoTrans 2016 Career Award Recipient

Positions Held

Engineering Systems Inc., Aurora, Illinois

Senior Staff Consultant, 2019 – Present

Alaska Railroad Corporation, Anchorage, Alaska

Train Dispatcher 2015 – 2019

Locomotive Engineer 2012 – 2015

Train Conductor 2007 – 2012

Brakeman 2006 – 2007

Continued Education

Locomotive Engineer Training Certificate - 2012

National Academy of Railroad Sciences, Overland Park, KS

Railroad Conductor Training Certificate - 2007

National Academy of Railroad Sciences, Overland Park, KS

Publications/Presentations

Physics for Locomotive Engineers, Training presentation to student Locomotive Engineers at the Alaska Railroad (2015 – 2018)



Bryan Sooter
March 2019

PTC Training Program for Train Dispatchers, developed and presented at Alaska Railroad (2018)