



UAA College of Engineering
UNIVERSITY of ALASKA ANCHORAGE

UAA Professional Development Seminar Series

Insights and Findings from the Anchorage Protected Bike Lane Pilot Study

Presented by: Brad Coy, PE, Zak Hartman, PE, Colin Singleton, PE



ABSTRACT: While common to obtain and analyze traffic data, it's rare that civil engineers construct a public infrastructure project for the purpose of conducting research. That's exactly what the Anchorage Protected Bike Lane Pilot Study did, using temporary materials to install a protected bike lane pilot during the summers of 2023 and 2024. A protected bike lane (PBL) is a designated on-street bikeway separated from traffic by a vertical component such as a barrier, curb, or flex-post. These temporary installations met the same traffic and safety standards as a permanent project but allowed designers to have immediate feedback to better understand how PBLs affect speeds, volumes, safety for all users, residences, and businesses. City transportation officials wanted to use the pilot to better understand whether PBLs draw different cyclists who wouldn't otherwise ride in these corridors and see if they could be used more often to evaluate potential projects and obtain community input.

Join the Municipality of Anchorage Traffic Engineering Department and the pilot project team to hear more about the pilot process and their preliminary findings.

BIOS:

- Brad Coy has a passion for building his community as Anchorage's Municipal Traffic Engineer and Traffic Engineering Department Director. He is a licensed Professional Engineer (PE) and certified Professional Traffic Operations Engineer (PTOE), and he received his bachelor's degree in economics and master's degree in civil engineering with an emphasis in Transportation from Brigham Young University, in Provo, Utah. Brad has been bike commuting year-round for the past two years with the purpose of having a better pulse on the city's multimodal facility conditions and more fully enjoying every day. Brad's biking focus has also opened up new opportunities to improve Anchorage's transportation system, including a protected bike lane pilot project that Brad championed this past summer. In addition to bike commuting, Brad enjoys cross-country skiing, sledding, mountain running, and mountain biking with his wife and five kids.
- Zak Hartman, P.E. is a traffic engineering professional with six years of experience working with both Alaska DOT&PF and the Municipality of Anchorage Traffic Engineering Department. Zak has contributed to and designed projects ranging from small pedestrian safety projects to large corridor reconstructions, with a focus on traffic signal design, lighting design, and design of traffic control devices. Zak joined the Municipality of Anchorage in July 2023 as the Traffic Calming/Pedestrian/Bicycle Coordinator, leading the Pilot Protected Bike Lane project. Zak now works as the Vision Zero Coordinator with MOA Traffic Engineering, focusing on actions laid out in the Municipality's 2018 Vision Zero Action Plan to reduce the number of fatalities and serious injuries on Anchorage's roads.
- Colin Singleton is a Civil Engineer and Project Manager and has been with CRW Engineering Group since 2013. He was born and raised in Alaska and graduated from Michigan Technological University with a Bachelor of Science in Civil Engineering. He has 11 years of consulting experience in the planning and design of rural and urban roadways, active transportation facilities and trails, storm drain and sewer infrastructure, and civil site design. Colin's ability to see the big picture and effectively communicate infrastructure systems and design details with agencies, utilities, and the public has led to collaborative solutions on projects throughout the state like AMATS Bike, Ped, and Trails Plan Implementations, AMATS Fish Creek Trail Connection, and Shotgun Cove Road Extension. Drawing from his passion for walking and biking as modes of transportation, he's helped realize Anchorage's first bicycle boulevards, buffered bike lanes, and protected bike lanes.

Friday, November 8, 2024

11:45 am - 12:45 pm

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