

3110 South Cir.  
Anchorage, AK 99507  
E: [hislop.tyler@gmail.com](mailto:hislop.tyler@gmail.com)  
P: (720) 289-1965  
S: <https://tyler-reid.github.io/>

# TYLER HISLOP

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## ABOUT ME

*I'm an experienced data professional dedicated to generating value from data and maintaining geospatial resources. I'm skilled in project management, GIS, data analytics, and accurate, timely reporting.*

*I have extensive experience in working with large datasets, creating a smooth data pipeline, and I'm committed to improving collaboration with others.*

*In my current role, I've built a team capable of responding to challenging data requests, collaborating across the state, and creating new and exciting information for the Public.*

*In my next role, I'm looking to continue learning and building experience in a project management/data centric role.*

## EDUCATION

University of Colorado at Boulder – BAs in Anthropology and History  
Graduation: May 2010

## INTERESTS

Skiing, bike racing, language, travel, computers, lifelong learning

## EXPERIENCE

### Alaska Department of Transportation & Public Facilities

#### ENTERPRISE GIS ROUTE ADMINISTRATOR | 4.24 – Present

- Led a team of four, responsible for federal reporting, data collection, quality control, database management
- Coordinated massive roadway asset data collection program budgeted at over \$1.5m
- Co-chaired Alaska Geospatial Council - Transportation working group, supporting statewide transportation GIS
- Coordinated ongoing statewide expansion of route inventory of over 1000 new routes and route edits
- Envisioned and realized new datasets for statewide Sidewalks inventory, Alaska Marine highways routes and winter routes, contributing to new standards in rural and urban planning
- Explored use of AI in roadway asset data collection using vehicle collected imagery
- Coordinated personally with staff in each region through GIS Meet and Greet meetings
- Attended industry conferences, GIS-T and AK Geosummit
- Hired/trained two completely new staff onto Routes team
- Continual training through the use of Esri tools, especially Roads & Highways extension
- Supported legislative data requests
- Implemented Data Reviewer checks in Enterprise GIS Environment
- Supported annual federal data reporting needs

## PAST EXPERIENCE

### Alaska Department of Transportation & Public Facilities

#### HIGHWAY PERFORMANCE GIS ANALYST | 11.21 to 3.24

- Supports Federal Highway Administration's Highway Performance Monitoring System (HPMS)
- Collects and curates information regarding extent, condition, performance, use, and operating characteristics of roadways
- Familiarity with diverse datasets including traffic volume, traffic class, speed data, travel time reliability, vehicle weight data, temperature data probe, and traffic design
- Addressing public transportation data requests
- Creation of maps using ArcGIS Pro and ArcGIS Online to synthesize and analyze different data relationships
- Weigh in Motion program administration - enhanced value of WIM project through new sensor testing in multi-year pilot project
- Regular meetings/collaboration with cross-department State of Alaska GIS users
- Tasking of remote sensing imagery and evaluating use in roadway asset data collection

### Alaska Department of Transportation & Public Facilities

#### TRAFFIC DATA PLANNER | 11.19 - 12.21

- Monitored over 50 Continuous Count Stations: sophisticated network of remote sensors configured to monitor traffic data
- Provided continual analysis of volume, vehicle class, and tracked maintenance issues across sensor network
- Assisted the public with targeted traffic data requests, showcasing strong communication and customer service skills.
- Assisted in Maintenance of Continuous Count Stations, Deployed Miovision Camera Systems in the Field
- Geospatial training with Esri platforms
- Collaborated in developing Bethel Ice Road Traffic Monitor, developed with my team a radar-based system to monitor ice road traffic in remote, frozen location

### Alaska Brain Injury Network, Inc

#### GRANT & DIGITAL RESOURCE MANAGER | 2016 - 2019

- Grant Management
- Secured three year mini-grant program worth \$600,000
- Disbursal of \$150k annually in grant assistance
- Coordinated and led monthly committee meetings
- Quarterly grant reporting to ensure health of program
- Monthly data entry and financials for in-house and State of Alaska record keeping

## PREVIOUS EXPERIENCE

- Continuous employment back to 2006 in various sectors including local government service, agriculture, tourism, business development, retail and culinary