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TYLER HISLOP

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