

Jake Schutt

Transportation planner and geographer

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EXPERIENCE

Baltimore Metropolitan Council-Baltimore, Maryland

[Baltimore Regional Transit Commission](#), *Transit Planner & Policy Analyst*

DEC 2023 - PRESENT

- ❖ Creating orientation documents, data management conventions, and GIS products for the [Baltimore Regional Transit Commission](#) (BRTC)
- ❖ Successfully collaborated with [MTA staff for the 2024 staffing report](#)
- ❖ Piloted all aspects of the BRTC's monthly newsletter and built its audience
- ❖ Conceiving and [creating transit advocacy materials](#) in a variety of formats for different goals and audiences
- ❖ Analyzing and commenting on transit plans by Baltimore providers
- ❖ Using the Remix software platform to assist with local transit feasibility studies and develop a route change evaluation process for the BRTC
- ❖ Managing consultant teams and serving on selection committees for transit contracts in the Baltimore region

MnDOT Metro District-Roseville, Minnesota

[Metro Planning Office](#), *Principal Planner*

JAN 2022 - NOV 2023

- ❖ [Conducted reviews](#) of new developments that impact Minnesota's highway system in the Twin Cities
- ❖ Scoped, procured, and project managed the [North Metro Highway 169 Corridor Multimodal Study](#)
- ❖ Produced [ESAL](#) calculations and documentation to scope pavement maintenance and construction work
- ❖ Led technical implementation of new development review map app
- ❖ Annual scoping for projects in MnDOT's state transportation improvement program
- ❖ Organized information and designed a data structure for a web map of significant MnDOT corridor studies for improved coordination
- ❖ Led implementation of the [Met Council's congestion analysis process](#) for MnDOT urban highway corridor studies

MnDOT Central Office-Saint Paul, Minnesota

[Office of Transit & Active Transportation](#), *Multimodal Planner & Data Analyst*

JUN 2020 - JUL 2021

- ❖ Technical coordinator for the implementation of [general transit feed specification \(GTFS\)](#) for dozens of rural Minnesota transit providers
- ❖ Tracked, analyzed, and reported the impacts for \$40 million of federal CARES funds spent by dozens of rural Minnesota transit providers
- ❖ Executed GIS analysis of demographics and medical resources to advise Minnesota's mobile COVID vaccination program
- ❖ Production lead coordinator for MnDOT's [2020 Annual Transit Report](#)
- ❖ [Research co-champion](#) to develop improved methods to produce bicycle and pedestrian travel metrics using aggregated mobile phone data
- ❖ GIS analysis and mapping for MnDOT's Title VI Transit Program Report

CAREER NARRATIVE

2023: Joined the the Baltimore Regional Transit Commission as a transit planner & policy analyst

2018: Hired by MnDOT as an intern, advancing to the role of principal planner in four years

2018: Earned my master's in urban & regional planning, focused on land use and transportation

2015: Earned a GIS capstone certificate

2010: Earned my bachelor's in geography and urban studies

2001: Hired by a consultant, leading to a 14-year career in aerial mapping, promoted to roles of increasing responsibility

1999: Began studying geography at the University of Wisconsin-Madison

EDUCATION CREDENTIALS

DEC 2018-*Master of Urban & Regional Planning*

[University of Minnesota-Twin Cities](#)

JUN 2015-*GIS Certificate*

[University of Wisconsin-Madison](#)

DEC 2010-*Bachelor of Science, Geography Major & Urban Studies Minor*

[University of Minnesota-Twin Cities](#)

Office of Transit & Active Transportation, Senior Transit Planner

JUL 2019 - JUN 2020

- ❖ Project managed [5-Year Transit System Plans](#) drafted by consultants for 30 rural Minnesota transit systems and coordinated implementation
- ❖ Project management for a pilot program for rural transit marketing with a regional subset of rural Minnesota transit providers
- ❖ Co-chair and primary admin of MnDOT's Multimodal Research Council to develop research need statements for consideration as funded studies
- ❖ Created a variety of documents to illustrate the new transit budgeting process utilizing Excel, Tableau, and InDesign
- ❖ Cataloged and tracked comments, as well as did extensive InDesign edits for the [MnDOT Bikeways Facility Manual](#)

Office of Aeronautics, Intermediate Aeronautics Planner

DEC 2018 - JUL 2019

- ❖ Executed an innovative GIS environmental justice analysis of Minnesota's aviation system, replicated in [MnDOT's Statewide Aviation System Plan](#)
- ❖ Prototyped a form of GIS spatial risk analysis for individual airports to identify and address hazards for proposed zoning revisions proactively
- ❖ Performed a wide variety of spatial analyses and cartographic presentations to enforce airport zoning regulations
- ❖ Researched comparative funding of statewide aviation systems to create a presentation for the Minnesota State Legislature
- ❖ Researched, wrote, and edited policy documents advancing statewide aviation
- ❖ Updates, maintenance, and adding content to [MnDOT's Office of Aeronautics and Aviation website](#) on an as-needed basis
- ❖ Designed, conducted, and analyzed a stakeholder survey, creating a presentation of findings to assess [Airports Needs Meetings](#)

Office of Transit & Active Transportation, Multimodal Transportation Intern

MAY 2018 - DEC 2018

- ❖ Performed spatial analysis to propose the optimum placement of [permanent automated bike/ped counting equipment](#)
- ❖ Completed statewide analysis of transit needs and capacities relying on data from census, business, trip generators, and transportation infrastructure datasets
- ❖ Performed installation of portable automated active transportation traffic counting equipment, along with data warehousing and analysis
- ❖ Set up multiple outreach events and presentations to support MnDOT's program, encouraging local partners to utilize portable counting equipment
- ❖ Collected, organized, and tracked nearly 1,000 internal and external comments from relevant experts for the 50% iteration of [MnDOT's Bikeways Facility Design Manual](#)
- ❖ Authored advisory response from MnDOT to the [National Cooperative Highway Research Program's](#) Rural Transportation Issues: Research Roadmap

SKILLS

- Project Management
- Project Scoping
- Cross-Agency Coordination
- Spatial Analysis/GIS
- Cartography
- Statistics
- Demography
- Equity Analysis
- Research & Research Management
- Transportation Survey Design
- Technical Implementation
- Historical Analysis
- Environmental Planning
- Database Design
- Public Engagement
- Graphic Design
- Meeting Facilitation

SOFTWARE

- ArcGIS Pro
- QGIS
- PostgreSQL
- Adobe Creative Suite
- ArcGIS Online
- Tableau
- Microsoft Office Suite
- Microstation
- Streetlight
- Remix
- Google Earth

INSPIRATIONS

- Jane Jacobs
- David Harvey
- Neil Smith
- Ta-Nehisi Coates
- Donald Shoup
- Rachel Carson
- Naomi Klein
- Peter Norton