Dayton Transportation Plan 2040
City of Dayton, Ohio

PROJECT DESCRIPTION

The City of Dayton sought a visionary plan to guide the design of the City's transportation projects for the next 25 years. Economic and population changes led to an increased demand for alternative modes of transportation. The Plan used Complete Streets concepts to guide the City towards a more multi-modal, livable, sustainable travel environment that welcomes all users.

BPS inventoried and evaluated city-wide existing and future conditions and also conducted a nationwide benchmarking study to determine best practices related to Complete Streets projects, programs, and policies. This information was used to create a multi-modal design matrix and a set of typologies customized for the City. The typologies included a range of small to very large mixed-use, commuter, industrial, and neighborhood streets. Each typology included a set of recommended elements based on land use and zoning, right-of-way and pavement width, traffic volumes and speeds, and pedestrian generators. For implementation, BPS developed a step-by-step project prioritization methodology to assist the City in identifying and prioritizing Complete Street projects, programs and strategies. In addition, BPS evaluated the potential effects of emerging technologies, including autonomous vehicles.

Throughout the project, BPS utilized a variety of public outreach methods to involve the community, including public and stakeholder meetings, neighborhood bike and walk audits, and social media outreach and interaction.

LOCATION

City of Dayton, Ohio

HIGHLIGHTS

- Land use and zoning informed transportation recommendations
- Developed design matrix for facility types & Complete Streets typologies
- Included immediate to long-term implementation options

MAJOR TASKS

- Complete Streets Typologies
- Active Transportation
- Traffic Calming
- Connected & Autonomous Vehicles Assessment
- Public Meetings, Bike/Walk Audits, Social Media
- Renderings & Graphic Design
- Funding & Grants