

Company Name: Microsoft

Project Title: GenAI to Reduce Highway Congestion

The California Department of Transportation (Caltrans) released a problem statement to process and interpret complex data to improve its traffic pattern analysis, address bottlenecks, and enhance overall traffic management. To solve this issue, Microsoft co-pilot and Azure Open AI, GenAI technology developed by Microsoft and utilized by Accenture, LLP, used a vast amount of data from authentic, well-recognized sources to analyze potential transportation scenarios and develop solutions, including reducing traffic congestion, enhancing incident response, and improving transit reliability.

The next phase of this project will analyze real-time and historical data from roadways to predict traffic bottlenecks, detect incidents faster, and identify locations for safety enhancements. This cutting-edge solution will empower Caltrans to improve mobility and reduce traffic delays across the state.

“California is a global leader in GenAI innovation, and the signing of these contracts provides the state an essential tool to help solve some of our most pressing transportation challenges. Under Governor Newsom’s leadership, California is enthusiastically advancing this cutting-edge technology and will now harness its power to help save lives and streamline mobility for all people.” California Transportation Secretary Toks Omishakin.

Microsoft - Copilot - <https://adoption.microsoft.com/en-us/scenario-library/>

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