



Plan-IT Wyoming Phase II Project Summary Gateway Interchange Development in Cheyenne, Wyoming

Funded by Qwest, the Wyoming Business Council and the Wyoming Community Foundation.

Project Goals:

To develop a demonstration project which illustrates the impact analysis and visualization capabilities of planning support technology and supports the development of *PlanCheyenne*.

The Issues:

Traffic flow and appearance at a proposed interchange on I-25.

Local Project Partner:

The Cheyenne Metropolitan Planning Organization

Analysis:

This project created and analyzed two alternative futures for interchange development and surrounding land use in an area just south of Cheyenne, Wyoming. CommunityViz™ was used to quantify impacts to traffic flow and qualitatively evaluate the aesthetic impacts of the two scenarios: “Business as Usual” and “Interstate Done Well”. The project resulted in information and 3D scenes the Cheyenne MPO can use to both inform decision makers and facilitate stakeholder discussions in shaping future land use. Additionally, the Wyoming Travel and Tourism Office is exploring the concept of relocating the existing Welcome Center at College Drive further to the south. The Speer Interchange location meets their needs, and the project is incorporating concepts to help illustrate this important investment. The 3D scenes may assist Travel and Tourism in communicating their needs and securing funding.

Figure 1 (below left). Gallons of gasoline saved per year within the study area due to improved traffic flow brought about by good urban design.

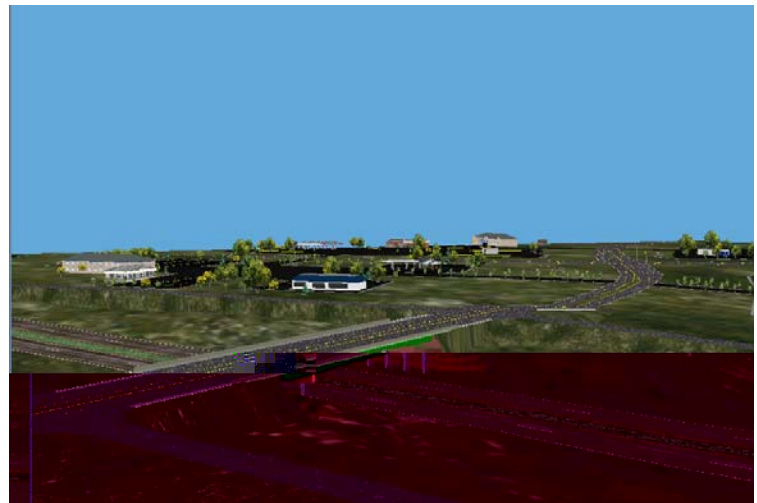
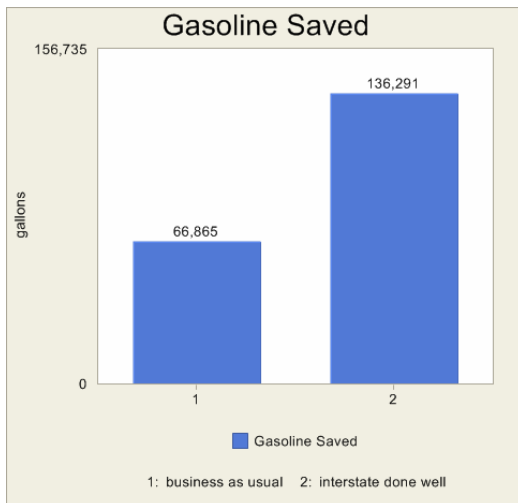


Figure 2 (above right). Speer Interchange and nearby commercial development in the “Interstate Done Well” scenario.
