Historic Route 6

In the upper tier of the state, lies Historic Route 6 traversing the northern counties. The corridor has played a vital role in the transportation of people, goods, and ideas. By driving from East to West, the direction generally more traveled.

Development and production has increased with the growth of the resource. High visibility and density that covers the majority of the county.

Natural Gas Development
Natural Gas Development in Tioga County is one of the main driving forces for design. By locating wells and pipelines, it is evident where problematic areas can arise.

Cultural Amenities and Resources
By looking at the cultural amenities and resources across the entire county, we are able to assess where areas of concentration are, as well asickest without amenities or resources.

A highway spanning across the country, Historic Route 6 runs through a multitude of landscapes - towns, cities, mountains, plateaus, rivers, lakes, forests and everything in between. The highway welcomes over three and a half million visitors each year. Throughout Pennsylvania it runs through eleven counties, and seventy-five municipalities.

Historic Route 6

babb Creek
Each of these diagrams represent different types of experiences along Route 6 in Tioga County. Looking into the experiential quality, we focused on enclosure, visibility, and development. We simplified each to include a combination of either hills, trees, buildings and houses. We thought it was important to simplify them in order to compare and contrast amongst them.
Historic Route 6

TIOGA COUNTY EXPERIENCE

The diagrams described prior have been referenced to their specified position along Route 6. Interestingly, we found that the majority of the unconventional wells intersect with Route 6. There are 415 of them. The majority of them are located towards the eastern side of the county, particularly in Tioga County.

Historic Route 6

UNCONVENTIONAL WELLS

This map identifies the unconventional wells that are located in the study area, intersecting with Route 6. There are 415 of them. The majority of them are located towards the eastern side of the county, particularly in Tioga County.

TIOGA COUNTY NATURAL GAS DEVELOPMENT

This map shows the pipelines that intersect with Route 6. The lines represent pipelines running through multiple states, while the circles represent pipelines only within PA.

MARCELLUS by DESIGN The Pennsylvania State University

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Primary amenities consist of categories such as food and drink, accommodations, and transportation services. These types of amenities and resources are primary because they are deemed necessities.

Supplemental amenities are made up of retail, services, sports and recreation, as well as entertainment. Cultural resources and amenities such as these are extracurricular.

By overlaying both the primary and supplementary resources, we found the areas of concentration lie within the towns of Mansfield and Wellsboro as towards the edge of the Western county line.

Here, five foot contour lines show the topographical characteristics of the county. The lighter the contour line, the lower the elevation. The darker the contour line, the higher the elevation.

This visibility analysis looks at what the driver can see from Route 6. The majority of the land adjacent to the road is visible, with the exceptions of some areas where forests and trees block the view.

The combination of overlaying the topography and the visibility maps give a deeper understanding of where the best views are. Using this and our personal experience, this map shows where the views are located.
Identification of the roadways gives us insight as to where the various amounts of traffic occur. The thick white lines represent state roads, the thinner white lines represent local roads.

Looking at the traffic counts according to PennDot, we found that the majority of traffic does not run through Route 6. The highest traffic counts run North and South along Route 15.

This simple diagram simplifies the traffic flow of the county. Historic Route 6 is highlighted in green, Route 15 and Route 287 are highlighted in blue. The orange dots represent the highest traffic counts.

683 potential wells over the next 30 years in Tioga County
5% gas tax proposed by newly elected governor, Tom Wolf
$1,523,000 on average per well generated in 2013 in Tioga

$52,010,450 potential gas tax revenue for municipalities in Tioga County

Where should this money go?

a gateway

something to remind drivers of the historic highway they are utilizing
something to bring a physical identity to the highway
something to celebrate the highway and apply to various places along the Route

conceptual sketch
Design Proposals

Where should this money go?

a linear pocket of community

preserve tree-line
marketplace
urban market
artisan market
farmer's market
pedestrian bridge
footbridge
multiple modes of transportation
filtration system
education node
conceptual sketch

filter stormwater runoff

preserve tree-line
use existing views
celebrate land use
filter stormwater runoff

Katie Gavaghan

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