

Auto-Centric Dependency: How Transportation Affected North American Cities

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Abstract:

In today's North American cities, the pattern and layout of the urban fabric is dictating to the needs of the automobile. Why are we designing and living in an environment which is not conducive to pedestrians activities but instead creates a hostile environment causing us to use considerably more in energy and time?

What caused North American cities to so drastically alter the way they developed? As the modern car has been around for over 100 years, North Americans have been able to study and see the effect that it's had on our built environment. This thesis responds to the auto-centric design of cities and proposes an alternative way in which we view auto-centric design that will not only benefit the future of our cities but also our social experience.

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Urban environmental transition theory suggests that cities undergo a series of environmental challenges as they develop. At first, the priority environmental challenges are those relating to the 'brown' agenda, including water supply, sewage and sanitation issues. As cities industrialise they are confronted by 'grey' agenda challenges or those associated with industrial and auto-related pollution. Cities in post-industrial societies are battling 'green' agenda challenges such as greenhouse gas emissions, ozone-depleting substances, non-point-source pollution and i Yellowknife City Transit also offers a reduced Saturday schedule. Greyhound Canada and Frontier Coastlines are the two main bus lines that reach the Northwest Territories. Frontier Coastlines travels between Yellowknife, Rae, Hay River, Fort Smith, Fort Providence, and Fort Simpson. Greyhound Canada serves all of the above communities in addition to Providence Junction, Enterprise, and Fort Liard. Beluga whales, the Northern Lights, and the Dempster Highway can all be seen on Arctic Tour Company's bus excursions. Arctic Nature Tours is another major charter bus company. The Northwest Territori View Automobile Dependency Research Papers on Academia.edu for free. Car dependent cities like those in Australia have always been increasing in car use. Measured as vehicle km's of travel or VKT this has been projected to go on increasing by every transport and planning agency in Australia (see Fig i). more. It has become inevitable to utilize human centric mobility modes such as bicycling, to create an "active environment" through motivating non-motorized design concepts, which will alter the lives of the city's residents. Transportation, urban planning and public health would be greatly enhanced by adopting bikeability street design infrastructure interventions, especially in a historic urban fabric. Given these realities, this World Cities Best Practices in Transportation report surveys transportation modes and technologies in use in cities around the globe that could be implemented in New York to reduce congestion and encourage economic and community development. The authors also attended the "New York Bike Share Project" charrette, held July 7th-11th at the Center for Art and Architecture, and tested various types of Bike-Share technology developed by competing firms. NACTO is an association of 81 major North American cities and transit agencies formed to exchange transportation ideas, insights, and practices and cooperatively approach national transportation issues. Our Mission. Member Cities. Staff. Board. NACTO News. The Latest. NACTO is committed to empowering cities to realize their goals for stronger, safer, and fairer transportation and communities. COVID-19: Transportation Response Center. State and Federal Policy. Leadership NACTO. American Cities Climate Challenge. Bike Share and Shared Micromobility Initiative. Global Designing Cities Initiative.