

Appendix 7

Transportation and mobility in Luna Pier must be considered within the context of Monroe County’s multimodal system of roads, railroads, air, water, public transit, pedestrian and bicycle transportation systems. The transportation network is an essential component of public infrastructure that touches many facets of community life. Economic development and job creation is also strongly grounded in a safe and efficient transportation system to allow for material transport and commuting patterns.

Major Highways

Luna Pier’s location near Toledo and the state line underscores its status as the gateway city for Monroe County and the State of Michigan. Interstate 75 (I-75) is among the longest and busiest inter-modal state corridors for trucking on the continent. Total traffic volumes on I-75 in the vicinity of Luna Pier approach 30,000 vehicles per day in each direction and truck volumes are in excess of 4,500 per day throughout the corridor from Toronto to Detroit/Toledo and to Miami, Florida. I-75 also connects with Toronto and southern Ontario via Highway 401 to the U.S., making I-75 a major inter-modal national trade corridor (now being enhanced in the Detroit area with nearly complete Ambassador Bridge Gateway Project and proposed Ambassador Bridge Enhancement Project).



The importance of I-75 is fully recognized at the state level. The *MI Transportation Plan* is a planning document that provides a comprehensive analysis and approach to help address Michigan’s state transportation needs to the year 2030. The *MI Transportation Plan* focuses on the links between transportation and Michigan’s economic vitality and quality of life. One element of this plan focuses on “corridors of highest significance.” There are a total of eleven Corridors of National / International Significance, which serve and provide access to 72 percent of Michigan’s population and 83 percent of Michigan’s employment. Among these eleven corridors is the Port Huron / Detroit / Toledo Corridor that starts at Canadian border in Port Huron; follows I-94 to I-75 in Detroit; follows I-75 and ends at Ohio border. This plan notes that I-75 from Michigan/Ohio state line to Bay City is experiencing growing traffic volumes which warrant a minimum of four lanes in each direction in urban areas and three lanes in each direction between the urban areas.

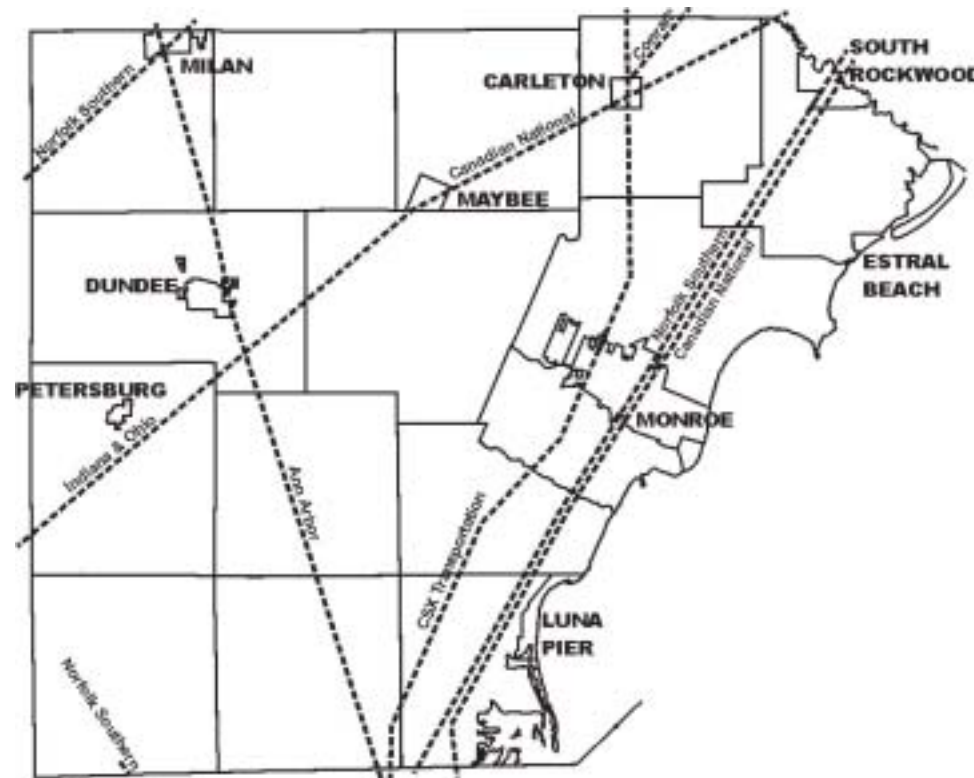
Other Major Roads/Road Classification

Roadways can be classified using the National Functional Classification (NFC). Roads are classified as Interstate Freeways, Other Freeways, Principal Arterials, Minor Arterials, Rural Major or Urban Collectors, Rural Minor

Collectors and Local Roads. A copy of the most recent functional classification map is shown on the following page and notably, Harold Drive and Erie Road are classified as “Other Arterials and Major Collectors.”

Rail Lines

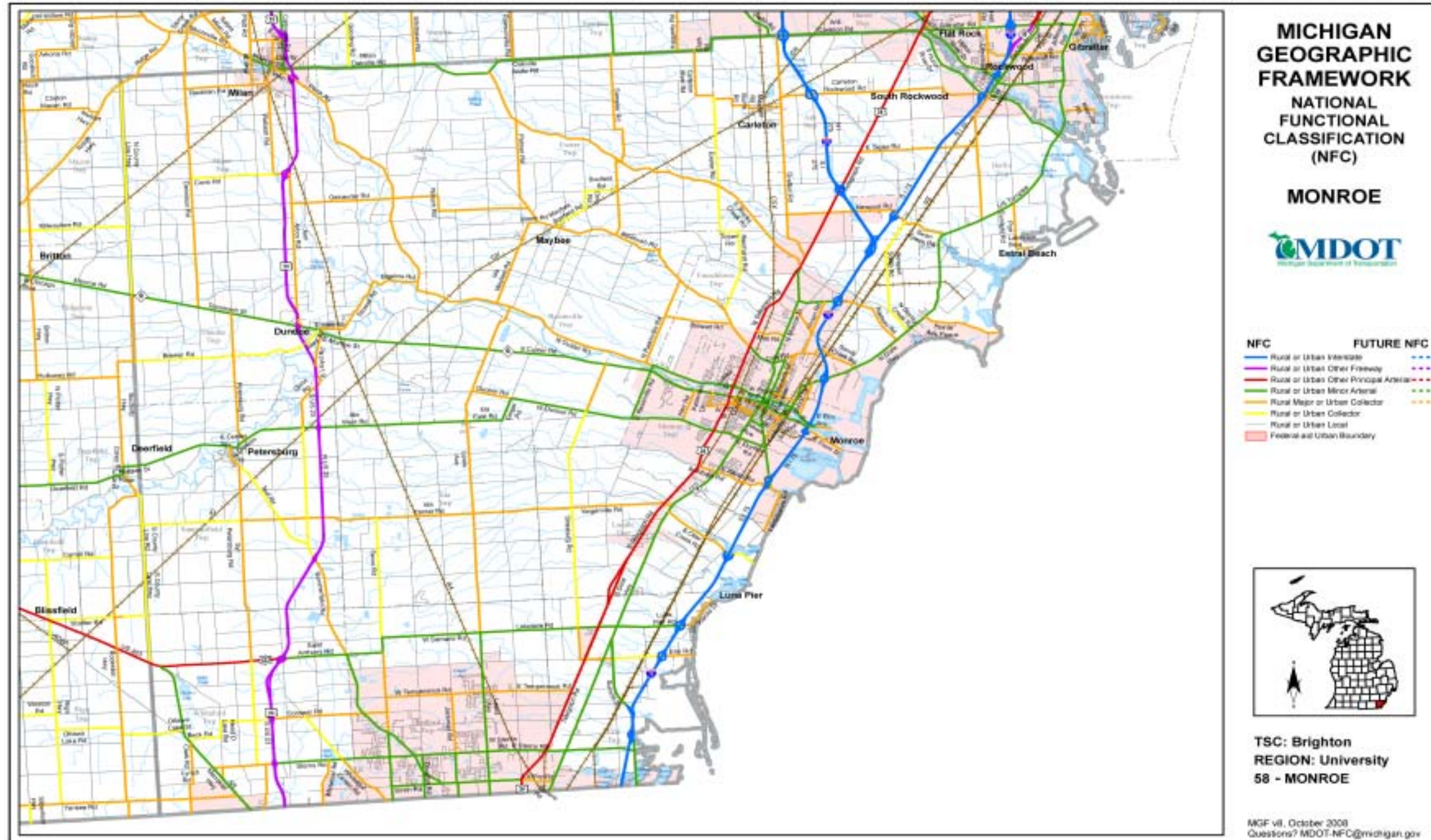
Rail lines no longer exist in Luna Pier. As described earlier, interurban rail lines did exist in Luna Pier in the past and Luna Pier was an important stop along the line between Detroit and Toledo.

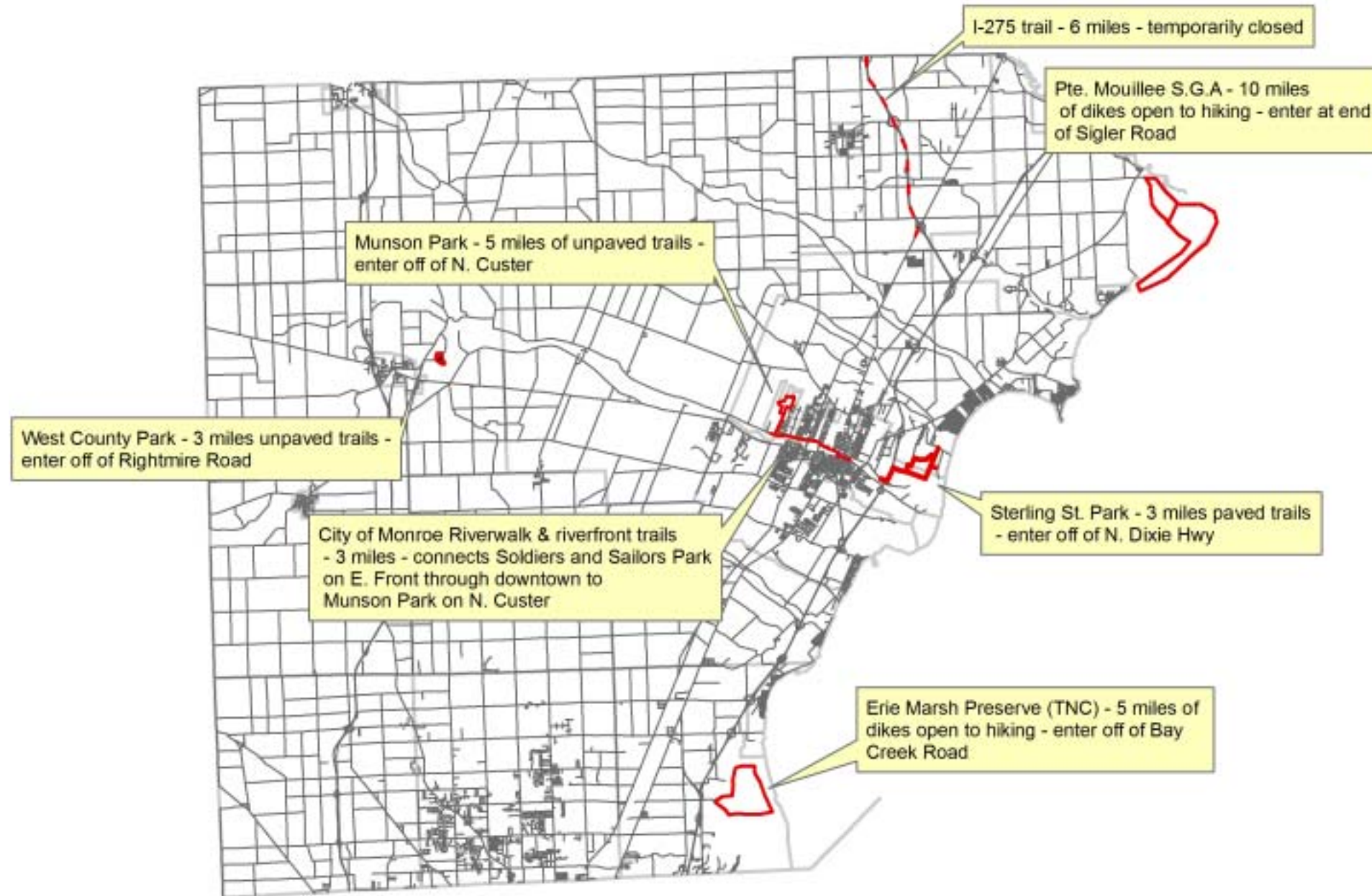


Non-Motorized Transportation

According to both the Monroe County Comprehensive Plan and the Monroe County Recreation Plan (2008), linear parks and greenways are noted as one of the major deficiencies and more bicycle and pedestrian facilities will be needed to adequately address needs. At the county-level, available planning documents illustrate a “Potential Regional Greenways System” and a number of potential regional connections have been identified for non-motorized travel in Monroe County.



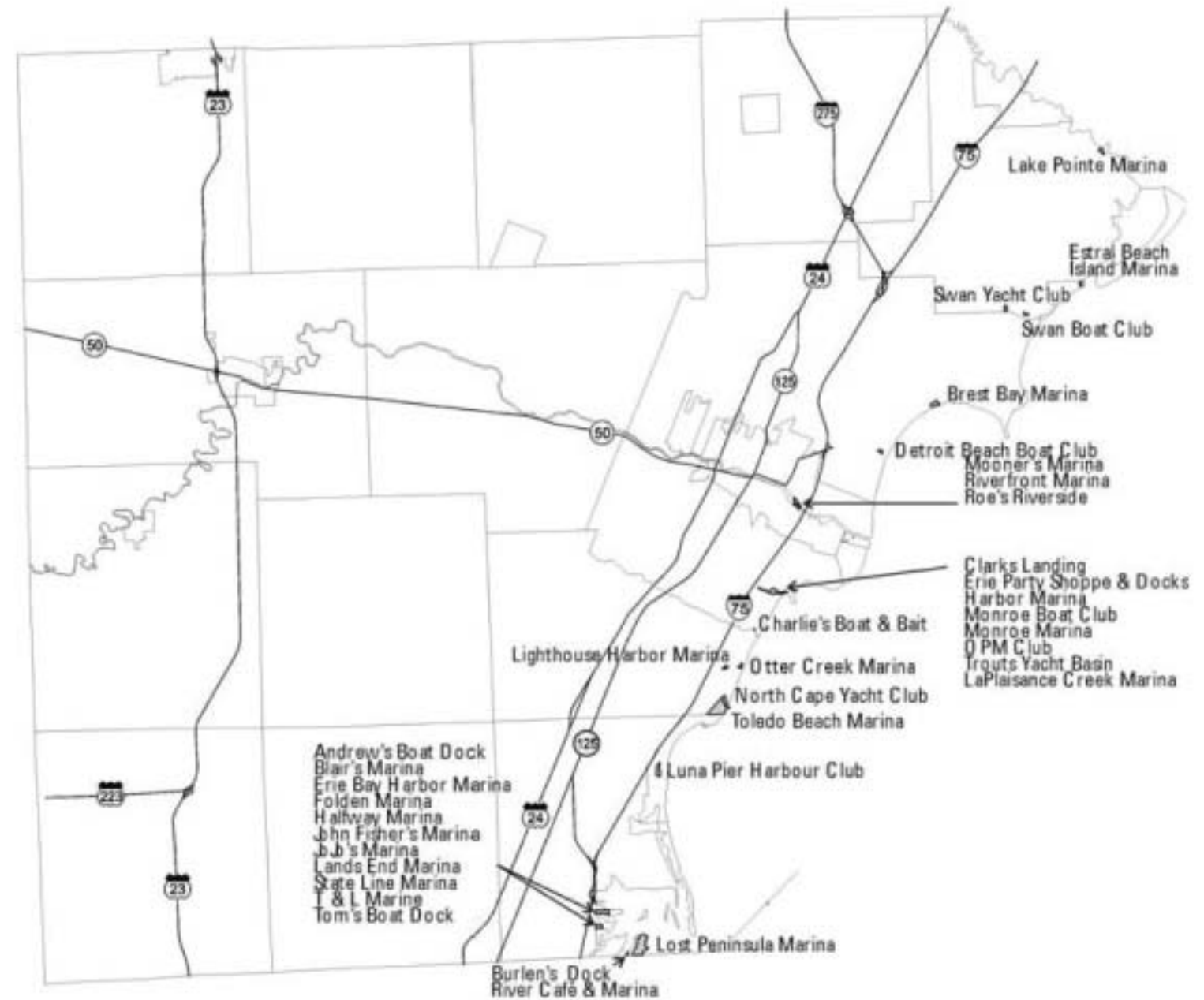




Harbors and Boat Travel

Two major harbors/marinas are located in the Luna Pier area. Inside the City, the Luna Pier Harbour Club is a 30-acre facility with slips for 392 boats, and charter boat operations for fishing. North of Luna Pier is the Toledo Beach Marina with more than 600 docks and the North Cape Yacht Club with docks for 150 boats. Commercial passenger boat traffic exists on Lake Erie. Toward the Erie Islands and Cedar Point, the Jet Express and Miller Ferry offer tourist-related transportation.

Recently, the Jet Express entered into an agreement with the Lorain Port Authority to operate service from (and to) the Black River Landing in downtown Lorain. Service began in 2009 with daily trips to Put-in-Bay and Kelleys Island being offered Friday, Saturday & Sunday. This expansion of service is of interest to Luna Pier as Lorain, Ohio is approximately the same distance from the Lake Erie Islands as Luna Pier is and many believe that ferry service to Cedar Point and the Lake Erie Islands could be a very successful endeavor. Additionally, Cruise Ships offer excursions throughout the Great Lakes and along the St. Lawrence Seaway.



Water

Luna Pier is part of the South Monroe County / City of Toledo Water System. Apart from the City of Luna Pier, this system includes communities such as Bedford Township, Erie Township, LaSalle Township and more than 20,000 connections. The South County system shares an emergency interconnection with the City of Monroe's plant.



Storm Sewers

The City of Luna Pier owns and operates a storm water collection system and pump stations that help control storm water flows. In 2007, rain & snow melt with failure of a main storm water pump station caused excessive influent flows at the WWTP. The bypass was partly opened to prevent hydraulic overloading and flooding of the building. Part of the flow received settling & disinfection.

Sewer

As noted, the City of Luna Pier owns and operates a Municipal Wastewater Treatment Systems. It currently has a capacity of 0.7 million gallons per day and daily flows are 0.2 million gallons per day. The treatment plant provides secondary treatment of sewage and engineering is underway for an upgrade to improve the quality of the effluent that discharges into LaPointe Drain. The City of Luna Pier owns and maintains the sewage collection system.

