

Under the guidance of the North Carolina Section of ASCE and its Board of Directors, this document was prepared by a group of volunteer professional engineers, with assistance from many public agencies and organizations providing invaluable data for this evaluation. In conjunction with ASCE staff, and a Blue Ribbon Panel of Experts, the North Carolina Infrastructure Report Card findings and evaluation was reviewed for objectivity, and consistency. This document would not have been possible without these volunteer's effort in finding, analyzing, reducing and presenting this information in a simplified manner.

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Aviation and Roads

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Bridges and Dams

David B. Peterson, P.E. is the Structures Project Manager with Rummel, Klepper & Kahl, LLP in their Raleigh office, where he manages bridge and structure projects. Mr. Peterson has over 24 years experience in the planning, design and construction inspection of bridges and other structures. His responsibilities and experience have ranged from the structural design of short, medium and long span steel, curved steel, concrete, and prestressed concrete bridges (both grade separation and water crossings) for highway and transit projects for state departments of transportation, transit agencies and municipalities.

Mr. Peterson is a Past President of the North Carolina Section and a Fellow of the American Society of Civil Engineers.

Drinking Water and Wastewater

Larry W. Mitchell, P.E. is Project Manager with Earth Tech of North Carolina, Inc in their Raleigh office, where he manages municipal water and wastewater infrastructure projects. Mr. Mitchell has over 13 years experience in the planning, design and construction management of municipal utilities. His responsibilities and experience have ranged from capacity analysis of existing systems and master planning with modeling, to design of both water and wastewater infrastructure, to development of asset management plans/tools for utilities, to valuation, due diligence and audit reporting for utility system acquisitions. Mr. Mitchell is an active member of American Water Works Association, Water Environment Federation and American Society of Civil Engineers.

Rail

Michael Shumsky, P.E. is a Rail Project Engineer with the North Carolina Department of Transportation's Rail Division (Engineering & Safety Branch) in Raleigh, where he manages statewide crossing safety projects. Prior to 1997, Mr. Shumsky worked two years with a consulting engineering firm in New York City on several rail transit programs for the Long Island Rail Road and New Jersey Transit. Mr. Shumsky also spent eight months in the St. Louis office assisting with environmental documentation for the MetroLink Light Rail Extension.

Jim Kessler, P.E. is a Principal Engineer with HNTB in their Raleigh, NC office where his responsibilities include managing HNTB's rail practice in NC. Jim has over 30 years experience in the planning, design and construction management of railroad and rail transit projects. Recently he was the rail design manager for the Alameda Corridor project in Los Angeles, which included the design of over 70 miles of freight rail track. He currently is involved with rail projects for Class I and shortline railroads, the North Carolina Railroad Company and NCDOT Rail Division.

Schools

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Leaders in the Engineering Industry were called upon to assist in the review of the Report Card “White Papers” that summarized the data evaluation and assessment efforts and the the development of the grade and recommendations. This independent review aided in preparing an objective and consistent assessment of each infrastructure category.

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