

**MBW & Associates, LLC, Reno, Nevada 10665 Summer Glen Drive, Reno, NV 89521; email: masha.wilson@yahoo.com
DBE certification # NV20312785UCPN
NAICS 541614: Production planning and control consulting services
NAICS 541614: Productivity improvement consulting services**

Business Profile

- MBW & Associates, LLC is a local consulting organization with over 25 years of experience in the disciplines of transportation engineering, and planning related areas with focus on research, planning and analysis, materials testing and specifications as well as traffic safety. We are experienced in varieties of disciplines in natural resources, environmental and transportation engineering and traffic safety within national and international academic settings, private consulting and governmental agencies. Our experience includes work at the Departments of Transportation (Nevada and Washington), Department of Conservation and Natural Resources/Water Resources, Department of Agriculture, etc.
- Our mission is to bridge between the state-of-art and the state-of-practice, advancing transportation engineering, research and/or traffic safety applications for a safer world. Our holistic approach provides our clients with in-depth analyses and sustainable solutions. We believe in working together in multi-disciplinary teams bringing adequate solutions to projects. We act as consultants to federal, state and local agencies with a range of transportation engineering and traffic safety initiatives. We are skilled in multi-tasking, management of multiple projects, defining potential project trouble areas, and recommending and implementing solutions.

Examples of management, scientific and technical services that our company provides include:

- Assessment of quality of materials and products used on construction projects. Activities related to the determination of the efficacy and the prequalification of materials and products used to build them based on my extensive experience and knowledge of the various engineering requirements of materials/products used in building highways and bridges. This type of work requires knowledge of a wide variety of material/product specifications used in building highways and bridges, ability to review and understand the special contract provisions relating to materials and products of all construction contract documents and their correlation to federal and state standards and specifications.
- We served as subject matter experts in advising contractors, state agency staff and top management and federal and state agencies in various aspects of transportation projects regarding materials used for the construction of roads and bridges. Our experience includes developing, coordinating, monitoring and implementing strategic activities related to chemical materials, directing advanced technical studies to develop better processes and procedures in testing and evaluation of materials for implementation, development of chemical materials verification and specification conformation testing of materials used by state and local agencies.

- Our experience indicates that we possess strong communication skills, recommending client negotiating alternatives to problem solutions, and making presentations to senior management as it relates to traffic safety. A specific example of the above stated capabilities was our recent assignment to provide strategic and tactical management to stakeholders regarding the critical areas of Nevada's Strategic Highway Safety Plan. Summarizing our specific capability: (1) Project organization and schedule analysis; (2) Evaluation of vendor proposals; (3) Project financial analysis; (4) Providing management inputs as to potential critical path schedule problems and/or project cost impacts; (5) Data analysis and (6) Preparing project specifications.

Partial list of professional memberships and activities:

National Academy of Sciences, Transportation Research Board (TRB)

- Member of the AFP30 "Soil and Rock Properties " 2015-present;
- Member of the AN000 (1) Roadway Safety Culture Subcommittee" 2013-present;
- Member of the ANB45 Occupant Protection" 2011-2014;
- Member of the ANF10 "Pedestrians" 2011-2014;
- Member of the ANB 10(9) "Towards Zero Death Goal Subcommittee" 2011-present;
- Member of the AFP40 "Physicochemical and Biological Processes in Soils" 2006-present;
- Member of the AFS40 "Subsurface Soil-Structure Interaction" 2005-2013.

National Cooperative Highway Research Program (NCHRP)

- Member of project panel 04-38 *"Developing a Laboratory Test for Determining the Initial Retroreflectivity Level of Glass Beads in Pavement Markings"* 2008-2011;
- Member of project panel NCHRP 20-07/Task 255 *"Development of a Test Method to Determine the Ability of Adhesive Anchors to Resist Sustained Tensile Load"* 2007 - 2010;
- Member of project panel 24-28 *"Reliability of Metal Loss and Service-Life Estimates for Metal-Tensioned Systems in Geotechnical Applications"* 2005-2011;
- Member of project panel 04-32, *"Performance and Quality Control of Corrugated Polyethylene Pipe Manufactured from Recycled Polyethylene Material"* 2005-2009;
- Member of project panel 17-28, *"Pavement marking materials and markings: safety impact and cost-effectiveness"*; 2004-2006;
- Member of project panel 20-07, Task 165: *"A Policy Synthesis on the economic benefits of NTPEP"*, 2004;
- Member of project panel Synthesis 33-03: *"State Product Evaluation Programs"*, 2004.

American Association of State Highway and Transportation Officials (AASHTO),
National Transportation Product Evaluation Program (NTPEP)

- Western Association of State Highway Transportation Officials (WASHTO) representative to NTPEP's Administrative Task Force (ATF), 2002-2005;
- Nevada Department of Transportation, representative to the NTPEP Oversight Committee, 2000-2005.