

# BRIDGE 101: Bridge Basics, Inspection, and Maintenance

## On-site – Classroom

6 Hours – Road Scholar Credits



**September 27, 2023** (Wednesday) 9:00 – 4:00 p.m. CST  
City of West Fargo Public Works Bldg • 810 12th Ave NW • West Fargo

**November 21, 2023** (Tuesday) 9:00 – 4:00 p.m. CST  
Morton County Highway Dept. • 2916 37th St NW • Mandan

### \$25 Registration Fee

(includes printed training material, refreshment breaks and lunch)

### Class Limit: 30 attendees per workshop

**REGISTRATION DEADLINE:** 1 week prior to workshop



**Training will include an on-site bridge visit.**

**ALL attendees must wear a high visibility safety vest to participate in the on-site training.**

Want to learn everything there is to know about bridges in one day? Bridge 101 is for you. While we can't promise that you will learn EVERYTHING about bridges, we will help you understand the key elements, such as:

- What is a bridge
- Bridge Components?
- Scour surveys
- Critical findings
- Significant findings
- Inspection
- Inspection App: InspectX
- Loading ratings
- Load limits/Postings
- Signing Requirements
- Preservation
- Maintenance best practices

**TARGET AUDIENCE:** Blade operators, truck drivers, road superintendents, county, city, township, and tribal officials, and those in local governmental road or street departments.

### INSTRUCTORS:



**Bryon Fuchs, P.E.** NDLTAP Program Director with twenty-five plus years of transportation experience. He previously worked for a consulting engineering firm and NDDOT in Materials & Research and Local Government Division. Bryon was involved in the bridge replacement & inspection program for local agencies while at NDDOT.

**Houston Engineering** – Houston is one of the consultants that have been inspecting the Local Agency bridges in the SE portion of the state and will be providing on-site bridge portion instruction for the West Fargo class.



**Matthew Luger P.E.** NDDOT Bridge Management Team Lead with 15 years of transportation engineering experience. He previously worked in the NDDOT Materials and Research Division. Matt is currently responsible for the NDDOT Bridge Management System, Bridge STIP, Bridge Scoping, Bridge Load Rating, and Bridge Preservation programs.

**HDR, Inc.** – HDR has been inspecting the Local Agency bridges in the SW portion of the state and will be providing on-site bridge portion instruction for the Morton County class.

**Subject matter experts:** Kelly Bengston, P.E., Bridge & Pavement Engineer | Upper Great Plains Transportation Institute, NDSU  
Nancy Huether, P.E. | TSP2 Bridge Preservation Engineer

Need help? Contact us at [ndltap@ugpti.org](mailto:ndltap@ugpti.org) or 701.328.9855. If you have a request for an accommodation related to a disability or have special dietary needs, please contact Jody Jones at (701) 328-9855 or [jody.jones@ndsu.edu](mailto:jody.jones@ndsu.edu)