

North Dakota LTAP

Culvert Inspections

HIVE Vehicle Loan Program

Many local agencies are currently unable to conduct thorough culvert inspection programs throughout North Dakota. To help aid in the inspection of these important assets, North Dakota LTAP (NDLTAP) has built a **Hydraulics Inspection Vehicle Explorer (HIVE)** vehicle. This vehicle is a modified waterproof RC vehicle with a mounted waterproof digital camera. The camera wirelessly connects to an external tablet for live viewing of the culvert. This vehicle will be available for local agencies to loan to help with the inspection of their culvert inventory.

North Dakota LTAP currently has one (1) HIVE vehicle available for loan. NDLTAP staff will train agencies on the use, maintenance, handling and software for all equipment. NDLTAP staff will also leave a user manual to reference if necessary.

NDLTAP will take requests from agencies via phone or email, and loan the equipment on a first-come first-serve basis. Agencies will be required to provide an estimated length of use and schedule a return of the equipment. A waitlist will be maintained and the equipment will be delivered to the next agency on the list upon its return. NDLTAP will deliver the equipment via a personal visit or an exchange at a workshop. NDLTAP will demonstrate proper care and use of the equipment, go over the items included in the package, and will make sure the participants are comfortable using the equipment before it is left with them.

Upper Great Plains Transportation Institute – NDSU has tagged the equipment so that it is in their inventory of items. University property is fully covered if stolen by forced entry from a secure location. In order to be covered by University policies, agencies will be required to maintain all equipment in a secure and locked location during transportation and storage, i.e. locker, truck, or lock box. If items are reported stolen, proof of *forced entry* will need to be provided. NDLTAP will also expect agencies to cover expenses related to obvious physical damage to the equipment.

A signature is required from the borrowing agency at time of delivery recognizing NDLTAP's expectations for proper use and handling.

Any questions or concerns please reference the HIVE user manual or contact the HIVE Coordinator.

Hive Coordinator:

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