

VIDEO LOGGING SURVEYS

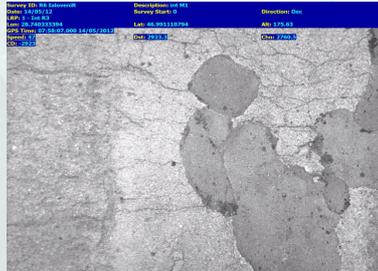
INTRODUCTION

Recording the condition of the road before a contract commences or pre and post a major construction is strongly recommended. It captures the pavement surface condition and provides evidence of pavement condition at that time .

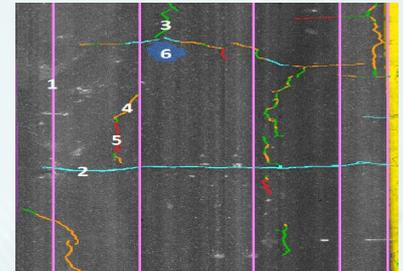
Our ROMDAS Video Logger records videos angled to collect pavement and right of way (ROW) videos. It can be configured with one or multiple cameras, positioned and angled as required. Alternatively pavement images can be collected using our top of the range ROMDAS equipment. The system records Laser based pavement imagery as high quality jpeg images of the pavement surface.



RIGHT OF WAY (ROW) VIDEO



PAVEMENT VIDEO



LASER BASED IMAGERY

WHAT YOU GET IF YOU PURCHASE THIS SERVICE

Accurate, reliable data provided in the format required.

ROMDAS Video Logger

- Videos can be supplied on a external hard drive.
- Manual rating of surface defects; pavement and kerb and channel defect location and condition.
- Asset condition rating; asset type, location and condition.

ROMDAS Elite

- Images can be supplied on a external hard drive.
- Pavement surface defects located within the lane surveyed.
- Pavement asset condition rating; located within the lane surveyed.

BENEFITS OF USING OUR SERVICE

- Independent surveyor,
- Certified staff trained to perform RAMM Condition Rating.
- The ROW video files do not require specialist software and allow for imagery to be viewed through most proprietary media software (e.g. MPC, VLC player, QuickTime).
- The Laser based pavement imagery software is capable of automatically detecting cracks and potholes.
- The Laser based pavement imagery is unaffected by ambient light conditions (which is problematic in traditional video-based pavement imaging systems) and can be collected day or night



THE EQUIPMENT USED AND BENEFITS FOR CUSTOMERS

DATA ACQUISITION SOFTWARE

ROMDAS Software operates on a rack mounted computer inside the vehicle. It is responsible for interfacing with all instruments used to measure and record road data. The modular layout allows us to customise the system by adding or removing devices depending on the data collection needs of the customer. During the survey, the ROMDAS system monitors and records the outputs of all devices, referencing them with distance and GPS coordinates. After completion of a survey the software processed the data into Microsoft Access files.

RIGHT OF WAY AND/OR PAVEMENT VIDEO CAMERAS

The ROMDAS video modules allows for distance-based capture which can be defined by the user or continuous image capture. Cameras are mounted on the roof of the vehicle for optimal view and images are the compiled into a standard .AVI video file.

Customisable Image Overlay

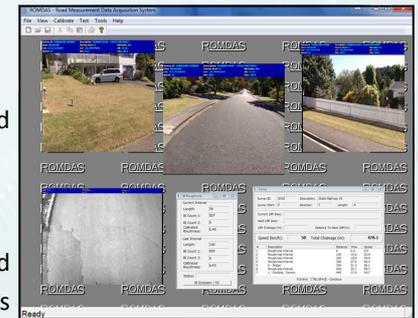
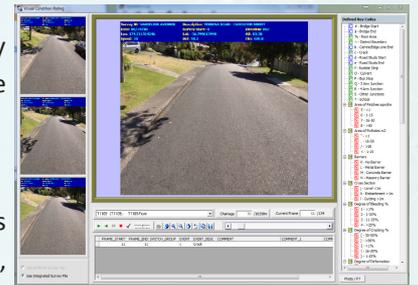
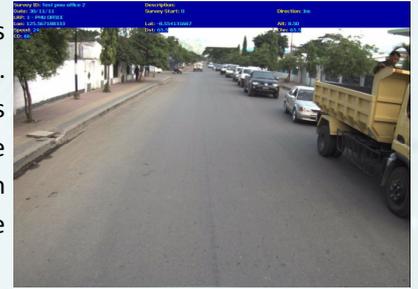
Customers can define a range of data to be automatically imprinted on onto the images recorded. This data can include Survey ID, Survey Description, GPS coordinates, Distance and Speed. This makes storing and referencing the video files significantly easier.

Multiple Cameras Available

Additional ROW or Pavement View cameras can be purchased to increase the range and scope of video logging surveys.

Asset and Condition Rating

Specially designed software allows us to accurately and quickly extract asset and condition ratings directly from video images during post processing in the office. This increases the overall quality and safety around collecting this type of information.



DGPS RECEIVER

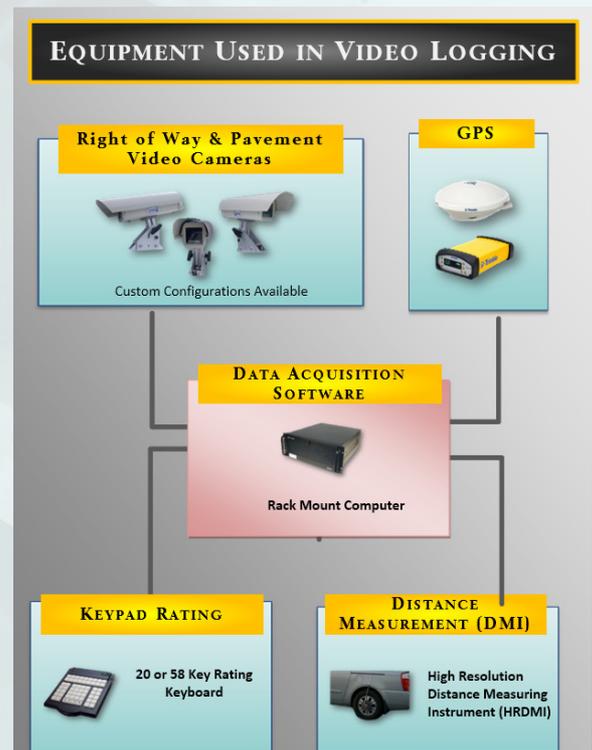
This system utilises a high-end Trimble GPS receiver connected to the Omnistar network to collect sub-meter and real-time DGPS coordinates nationwide.

HIGH RESOLUTION DMI (HRDMI)

High accuracy distance is crucial for collecting high speed pavement data. The ROMDAS HRDMI uses a robust 10,000 pulse per revolution encoder to provide the millimetre accuracy needed for calculating roughness, texture and other complex datasets.

MANUFACTURER AND SERVICE PROVIDER

Being a manufacturer and user of pavement surveying equipment, we have a unique understanding into the operational methodologies, capabilities and real world application of the our equipment. The experience gained through our manufacturing and service divisions is a major asset in our ability to provide accurate and reliable data.



DATA COLLECTION LIMITED

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