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Structures Management System

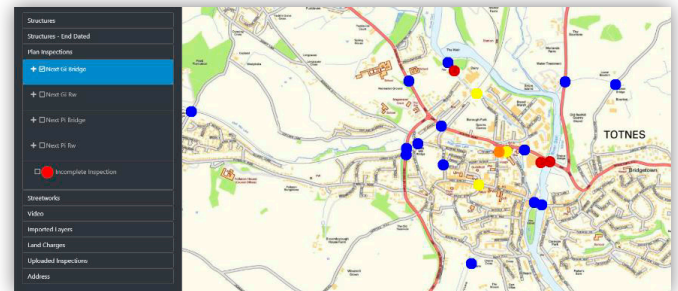
The WDM® Structures Management System (SMS) provides a minimal risk solution, featuring a user defined asset base, enabling the user to define structure types, geometry and components of the structure. This allows the user to manage all structure types within the scope of BD 62/07 as-built and operational records for highway structures.

SMS can operate within an integrated WDM® Management System, to provide integration between structures & highways, or as a standalone module.

Occ Structure Hs		
Occ Structure Hs: 0001		
Difficulty Access	No	
Access Equipment Required	-	
Other Hazards	On a dangerous bend in road	
Confined Space	No	
Cctv	Yes	
Divers Required	No	
Boat	Yes	
Underwater Span	Yes	
Length	6	
Deck Element	01 Arch - Solid Spandrel	

Users can locate the desired structure via WDM®'s standard GIS-based interface. Detailed structure information is then accessed and

displayed on screen next to a mapping window. A gazetteer allows the user to manipulate the map to the precise location required, based on OSGR, place, road etc. Incorrectly located structures can be relocated using the same tools.



SMS provides a proven fully compliant CSS inspection module and automatically generates condition scores for individual structure elements & the structure on completion of an inspection.

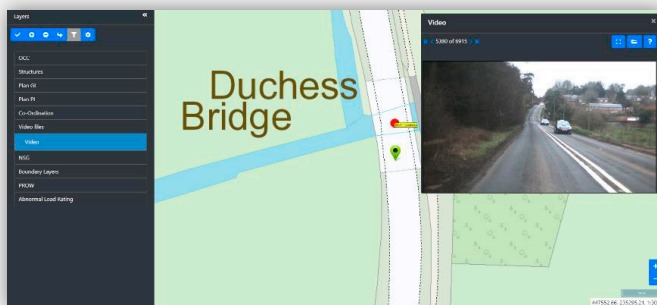
The Structure summary data is displayed pre and post survey, allowing the inspector to review and amend values including Inspectors and Engineers Comments. The span length, width and area are automatically populated from the WDM® Structures Management Database. Options are provided to transfer images between the Structures Management System and Web Structures Inspection providing the inspector with information at his fingertips.



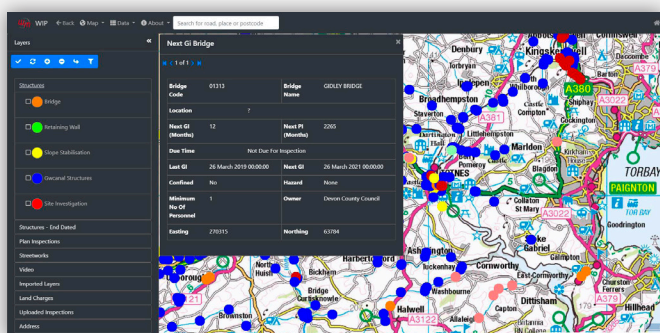


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Multiple documents may be stored against any asset & viewers are provided within the software, allowing documents to be viewed within the data window. In addition, the document can be opened in the relevant reader with a single click and a copy saved/exported, as well as support for sharing into or from Sharepoint.



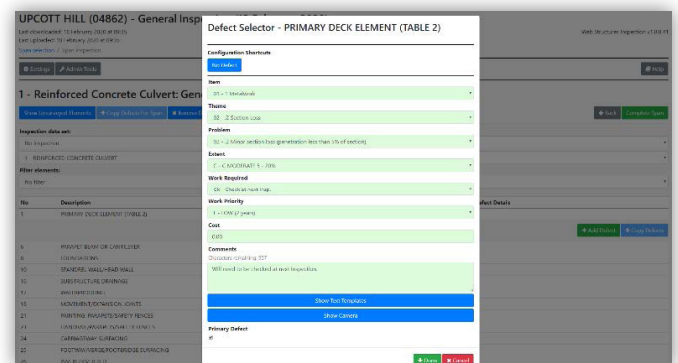
The document system supports full auditing with user and data-time stamps stored in the database. The date-time stamping mechanism is particularly suitable to record the formal submission of Principle and General Inspection reports. SMS has proven functionality to manage, analyse and produce reports for abnormal load routing, including the retention of vehicle details.



Within the mapping software, a range of layers can be set up which can be used to help break down asset data, into an easy to read format. These layers can be used to colour code

inspection frequencies, asset types and owner types - as the data changes, so will the layers. Data from WDM®'s other systems can be displayed using the layers within the SMS mapping, including but not limited to; StreetWorks, NSG & defects.

Due to the truly integrated nature of WDM®'s systems, it is possible for abnormal load engineers to see current works in progress on the highway network & utility companies to view structures causing special engineering difficulties.



The ability to generate reports (in multiple formats) for viewing is available. Varying information can be showing including; condition score indicator, pro forma reports, work bank & job list reports, for example.

Along with the mapping & asset management software, mobile inspection software is available. Web Structure Inspection (WSI) runs on tablets & mobiles with a web browser, allowing inspectors to undertake General & Principal inspections while on site. WSI works offline – if signal drops out, inspections can still be carried out and uploaded when signal returns.

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