

<b>REQUEST FOR RECORDS DISPOSITION AUTHORITY</b>		JOB NUMBER N1-406-09-28	
To: NATIONAL ARCHIVES & RECORDS ADMINISTRATION 8601 ADELPHI ROAD COLLEGE PARK, MD 20740-6001		Date received	
1 FROM (Agency or establishment) U.S. Department of Transportation (DOT)		<b>NOTIFICATION TO AGENCY</b>  In accordance with the provisions of 44 U.S.C. 3303a, the disposition request, including amendments, is approved except for items that may be marked "disposition not approved" or "withdrawn" in column 10	
2 MAJOR SUBDIVISION Federal Highway Administration (FHWA)			
3 MINOR SUBDIVISION Office of Research, Development, and Technology (HRT), Office of Infrastructure R&D (HRDI)			
4 NAME OF PERSON WITH WHOM TO CONFER Harold Bosch	5 TELEPHONE NUMBER 202-493-3031	DATE 10/22/09	ARCHIVIST OF THE UNITED STATES <i>[Signature]</i>
6 AGENCY CERTIFICATION I hereby certify that I am authorized to act for this agency in matters pertaining to the disposition of its records and that the records proposed for disposal on the attached ___5___ page(s) are not needed now for the business for this agency or will not be needed after the retention periods specified, and that written concurrence from the General Accounting Office, under the provisions of Title 8 of the GAO Manual for Guidance of Federal Agencies,  <input checked="" type="checkbox"/> is not required <input type="checkbox"/> is attached, or <input type="checkbox"/> has been requested			
DATE 9/22/09	SIGNATURE OF AGENCY REPRESENTATIVE <i>Victor S. Wagner</i>		TITLE Records Officer
7 ITEM NO	8 DESCRIPTION OF ITEM AND PROPOSED DISPOSITION	9 GRS OR SUPERSEDED JOB CITATION	10 ACTION TAKEN (NARA USE ONLY)
	This schedule covers the Deer Isle Bridge Event Database and the Cable Stay Bridge Database in the Office of Research, Development, and Technology's (HRT's), Office of Infrastructure Research and Development (HRDI), maintained in the Washington Headquarters Office of the Federal Highway Administration (FHWA).  See attached.		

<p>1.</p>	<p><b>Deer Isle Bridge Event Database</b></p> <p>For the last 20 years, FHWA's Aerodynamics Laboratory has monitored the Deer Isle Bridge in Maine using various accelerometers, anemometers, and skyvanes placed at various points on the bridge to measure wind speed and vibration. Large amounts of data have been gathered regarding wind and bridge motion. The Deer Isle Bridge Event Database has been designed as a repository for this data. Thousands of individual events have been imported into the database as static data sets. Several quantities are computed including mean wind speed and direction, individual and mean turbulence intensity values, and wind angle. This Microsoft Access database also includes information on working/non-working components and calculated values derived from the recorded values.</p> <p>The database is maintained by FHWA's Aerodynamics Laboratory located at the Turner-Fairbank Highway Research Center (TFHRC). It is a Microsoft Access database application used to store triggered wind event data recorded by anemometers and accelerometers located on the Deer Isle Bridge in Maine. It is kept strictly for internal use, and its users consist of Aerodynamics Laboratory personnel. Additionally, basic querying and reporting tools have been implemented.</p> <p>a <del><b>Input/Source Records.</b> Data is recorded on magnetic tape or flash card by a data acquisition system located on site at the bridge. These data files are then read into a workstation in the laboratory, converted, modified, analyzed, and the results of analysis are uploaded into the database via an automated process.</del></p> <p><del>DISPOSITION: <b>Temporary</b> Delete when data have been entered into the master file or database and verified, or when no longer needed to support reconstruction of, or serve as backup to, the master file or database, whichever is later.</del></p> <p>b <b>Master Files.</b> Bridge wind event data recorded from bridge instruments. Accelerometer data (accelerometers, which measure bridge motion, numbered 1-12), Skyvane 1 and 2 data (two skyvanes which measure wind speed and direction), Anemometer U, V, W data (1-6) (anemometers, which measure wind speed in three orthogonal directions, numbered 1-6), Tape/File/Event data including ID, date, and time data. The date range of the records is</p>	<p>New</p> <p>GRS 20, item 2c</p>	
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	<p>1986 to present. The database, which is 28 MB, is used by Aerodynamics Lab personnel for internal research use.</p> <p>DISPOSITION <b>Temporary</b>. Delete after verification of transfer into the Long-Term Bridge Performance Database or when no longer needed for research, whichever is later.</p> <p>c <b>Output Records.</b> <del>Data can be queried using a custom-built query tool using static and calculated values, date, wind direction, and other parameters. Data sets can then be viewed in the application, exported in a variety of formats, or automatically exported to Microsoft Excel and charted/graphed according to options chosen by the user. Basic line charts can be generated using the custom designed query tool. Records can be viewed via the graphical user interface. Records are currently being compiled for future reporting—no other outputs presently exist.</del></p> <p>DISPOSITION: <b>Temporary</b>. <del>Delete when the agency determines that they are no longer needed for administrative, legal, audit, or other operational purposes.</del></p> <p>d. <b>System Documentation.</b> <del>Database diagrams, screen flow diagrams, and requirements documents.</del></p> <p>DISPOSITION <b>Temporary</b> <del>Destroy or delete upon authorized deletion of the related electronic records or upon the destruction of the output of the system if the output is needed to protect legal rights, whichever is later.</del></p>	<p>GRS 20, item 5</p> <p>GRS 20, item 11a(1)</p>	
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2	<p><b>Cable Stay Bridge Database</b></p> <p>The Cable Stay Bridge Database is maintained by FHWA's Aerodynamics Laboratory located at TFHRC. It was developed in conjunction with Pooled-Fund Study (SPR-3(078)). It is a Microsoft Access database application used to view and store bridge details, including cable geometry, of various cable-stayed bridges. It is kept strictly for internal use, and its users consist of Aerodynamics Laboratory personnel and members of SPR-3(078).</p> <p>a <del><b>Inputs/Source Records</b>—The types of records contained in the database are data on bridge and cable properties of bridges relating to the pooled fund study, including cable geometry, cable properties, and cable connections and dimensions. Data records were originally compiled by members of the Pooled Fund Study and entered into the database via a graphical user interface. Database is static, and new records are no longer added.</del></p> <p><del>DISPOSITION. <b>Temporary</b>—Delete when data have been entered into the master file or database and verified, or when no longer needed to support reconstruction of, or serve as backup to, the master file or database, whichever is later.</del></p> <p>b <b>Master Files.</b> Bridge and cable data of bridges related to the pooled-fund study, including cable geometry, cable properties, and cable connections. The records range from 1999 to present. The database is 34 MB in size and does not reside on the Web.</p> <p><del>DISPOSITION. <b>Temporary</b>—Delete after verification of transfer into the Long-Term Bridge Performance Database or when no longer needed for research, whichever is later</del></p> <p>c. <del><b>Outputs Records.</b>—No outputs other than graphical user interface—Outputs only viewed on screen. No reports or other outputs are currently being produced.</del></p> <p><del>DISPOSITION: <b>Temporary.</b>—In the event any outputs are produced, delete when the agency determines that they are no longer needed for administrative, legal, audit, or other operational purposes.</del></p> <p>d <del><b>System Documentation</b>—Requirements and background documents.</del></p>	New	
		GRS 20, item 2c	
		GRS 20, item 5	
		GRS 20, item 11a(1)	

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