

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Research and Engineering
Washington, D.C. 20594
December 1, 2008

A. ACCIDENT

Location : Minneapolis, Minnesota
Date : August 1, 2007
Vehicle : I-35W Bridge 9340
NTSB No. : HWY07MH024
IIC : Mark Bagnard

B. DETAILS

DVD's of digital information collected during the Safety Board's investigation of the collapse of the I-35W bridge in Minneapolis, MN, consisting of 23,919 digital files of photos, drawings, documents and data, and may be requested through the NTSB's Records Management Division at 202-314-6551. Table 1 below contains a brief description of the contents of each DVD disk.

Table 1- Contents of DVD's

Disk Number	Title	Contents
Disk 01	FBI-3ft grid & 3D scan data	Post Collapse FBI total station laser scan data and 3D view – surrounding terrain with buildings, bridge deck and vehicles. Construction materials loading diagram (surveyed data) MN DOT traffic videos of accident day. Bearings & Trusses photos.
Disk 02	JE (Jacob's Engineering)	Photos of wreckage layout – photos taken May, 2008
Disk 03	JE (Jacob's Engineering)	Bohemian flats – videos and photos taken May, 2008
Disk 04	JE (Jacob's Engineering)	Videos – con't - taken May, 2008
Disk 05	Bohemian Flats	Final Bohemian Flat – wreckage photos Final Bohemian Flats Video – part 1
Disk 06	Bohemian Flats	Final Bohemian Flats Video - part 2
Disk 07	Wiss Janney Elstner (WJE) photos - post collapse	On-site and at Bohemian Flats Various of photos - wreckage
Disk 08	WJE photos - post collapse	Post Collapse wreckage - On-Site/ Bohemian flats General removal
Disk 09	WJE photos - post collapse	Post Collapse wreckage - On-Site/ Bohemian flats Truss spans, bearings and piers, deck and stringers

Disk 10	WJE photos - post collapse	Post Collapse wreckage - On-Site/ Bohemian flats Lateral and sway bracing, truss fatigue inspection
Disk 11	Miscellaneous NTSB Investigators' photos	Pre Collapse witness photos Post Collapse wreckage - On-Site/ Bohemian flats
Disk 12	Miscellaneous NTSB Investigators' photos	Construction materials staging and paving information - from MNDOT and FBI surveyed data
Disk 13	Miscellaneous NTSB Investigators' photos	Construction materials staging and paving information - from MNDOT and FBI surveyed data
Disk 14	Miscellaneous NTSB Investigators' photos	Bridge Spec, and construction site information – ASCE Bridge rating, GA spec
Disk 15	Miscellaneous NTSB Investigators' photos	Pre Collapse bridge CAD model drawings and accident vehicle information – NTSB created with surveyed data and CAD drawing from FHWA
Disk 16	Miscellaneous NTSB Investigators' photos	Pre Collapse bridge CAD model drawings and accident vehicle information
Disk 17	Miscellaneous NTSB Investigators' photos	Pre Collapse bridge CAD model drawings and accident vehicle information
Disk 18	Miscellaneous NTSB Investigators' photos	Pre Collapse and Post Collapse wreckage - Photos from FBI, investigators, witness, recovered vehicles, FBI 3D laser scan data
Disk 19	Miscellaneous NTSB Investigators' photos	Post Collapse wreckage - con't Photos from FBI, investigators, witness, recovered vehicles, FBI 3D laser scan data
Disk 20	Miscellaneous NTSB Investigators' photos	Post Collapse wreckage - On-Site Sheriff aerial photos and witness photos
Disk 21	MN DOT bridge drawings	Bridge drawings – construction drawings and modifications (from 1964 – 1999) Reports & reference data – MNDOT Underwater Inspection Report (2004), UMN Approach Span (2004) Distortional Fatigue Study (2006), URS inspection report (2003), Grand River Bridge report, and PA bridge monitoring. Pre-collapse & Post-collapse photos – MNDOT photos from inspections (2003), and On-Site photos
Disk 22	URS finite element	Finite element models – Redecking Analysis, Live Load Analysis, Member Distortion Verification, Fatigue Load Analysis in 2004 and 2006
Disk 23	URS finite element	Finite element models – Redundancy Analysis, Symmetry Investigation, Total Load Analysis, and Unit Load Analysis in 2004 and 2006
Disk 24	FHWA AutoCad models	AutoCAD Models - FHWA AutoCad model
Disk 25	Post-collapse aerial photos	High resolution overflight photos – 03 and 06 Aug, 2008
Disk 26	Post-collapse aerial photos	High resolution overflight photos - 16 and 17 Aug, 2008
Disk 27	Post-collapse aerial photos	High resolution overflight photos – 17 and 20 Aug, 2008
Disk 28	Post-collapse aerial photos	High resolution overflight photos – 27 and 28 Aug, 2008
Disk 29	Post-collapse aerial photos	High resolution overflight photos – 29 and 30 Aug, 2008
Disk 30	Post-collapse aerial photos	High resolution overflight photos – 31 Aug and 01 Sep, 2008
Disk 31	Post-collapse aerial photos	High resolution overflight photos – 04 and 6 Sep, 2008
Disk 32	Post-collapse aerial photos	High resolution overflight photos – 05 and 06 Sep, 2008, and FBI Total Station laser data scan and its 3D view.
Disk 33	Post-collapse aerial photos	High resolution overflight photos - 10 and 12 Sep, 2008
Disk 34	Post-collapse aerial photos	High resolution overflight photos - 17 and 20 Sep, 2008

