BSA Data

BDMS includes the findings of the Bridge Safety Assurance assessment of the 6 bridge vulnerabilities: Hydraulic, Overload, Steel, Collision, Concrete and Seismic. How these findings are determined is described fully in the Manuals prepared for each Vulnerability by the BSA Unit. They are presented here solely for the purpose of identifying what data is recorded in the BDMS and what values may be recorded.

For each of the six vulnerabilities, the following data is recorded.

ITEM: **Region, County, BIN**

NYSDoT

PROCEDURE:
See General Coding Instructions under Section III of this Manual.

ITEM: **BSA Vulnerability Type Code**

NYSDoT

PROCEDURE:
Identify which of the six vulnerabilities the data is for.

CODING:
- HYD Hydraulics Vulnerability
- OVL Overload Vulnerability
- STL Steel Vulnerability
- COL Collision Vulnerability
- CON Concrete Vulnerability
- SMC Seismic Vulnerability

ITEM: **Vulnerability Rating Date**

NYSDoT

PROCEDURE:
The date of the Vulnerability assessment which yielded this data.

CODING:
- 4 digit year, slash, two digit Month, slash and two digit Day
ITEM: Vulnerability Failure Type

PROCEDURE:
Enter the single character Vulnerability Failure Type describes the way a bridge would fail due to this vulnerability.

CODING:
- 0
- 1 Structural Damage
- 2
- 3 Partial Collapse
- 4
- 5 Catastrophic

ITEM: Vulnerability Rating Category

PROCEDURE:
Enter the single character Vulnerability Rating Category which describes the type of corrective action needed to reduce the failure vulnerability for the bridge and the urgency in which these actions should be implemented.

CODING:
- 1 Safety Priority
- 2 Safety Program
- 3 Capital Program
- 4 Inspection Program
- 5 No Action
- 6 Not Applicable

ITEM: Vulnerability Classification Score

PROCEDURE:
Enter the single character Vulnerability Classification Score which indicates the potential vulnerability of a structure to fail relative to other structures.

CODING:
- H High
- L Low
- M Medium
- N Not Vulnerable
- blank Not yet assessed