Table 2. Response Levels

Response Level	Earthquake Magnitude*	Radius of Concern	Description of Response
I	$M_w < 3.5$	-	A broad based response is not planned or required. If there are reports of damage, RE is to notify the RSE. On a case-by-case basis, the RSE will determine if a **Special Post-Earthquake Bridge Inspection (SPEBI)** needs to be done. RSE uses discretion to inspect especially vulnerable or critical bridges close to the epicenter.
II	$3.5 \leq M_w < 4.5$	40 mi	RE will immediately initiate **Preliminary Bridge Damage Assessments (PBDA)**. All state routes within the residency will be driven according to priority and all bridges investigated. Reports of damage or questionable conditions will be called in immediately. Summary reports are to be sent to the RSE at the end of each day. If no damage is discovered during PBDA, the post-earthquake response can be terminated. As soon as possible, RSE will arrange for a **SPEBI** using a RSE-generated prioritized list of seismically vulnerable Bridges. SPEBI will be done on bridges within the radius of concern: ▪ deemed *critically important* by the RSE ▪ where damage was reported in the PBDA ▪ where evaluation by a more trained or experienced person is needed ▪ with a seismic vulnerability rating (VR) of 1or 2. ▪ considered vulnerable or especially important If there are reports of bridge damage outside of the default radius of concern, the RSE will increase the radius and adjust the inspection program accordingly.
III	$4.5 \leq M_w < 5.5$	60 mi	Use the same criteria as Response Level II, but with a larger radius.
IV (High)	$M_w \geq 5.5$	80 mi	NYS's Incident Command System (ICS) will be activated for this High Level Response to ensure coordination of effort among DOT Regions, Main Office and other agencies. RE will conduct **PBDA** on routes immediately and RSE will arrange for **SPEBI** of <u>all</u> bridges that are within the radius of concern as soon as possible.