

## APPENDIX – IV

### Notable Projects with Application of Base Isolation Technology

| Sr. No. | Project and Country   | Year | Isolation Systems Utilized   |
|---------|---|------|--|
| 1       | Salt Lake City and County Building<br>Utah, USA   | 1989 | Lead rubber isolators  |
| 2       | Rockwell International Corporate<br>Headquarters-Building 80<br>Seal Beach, California, USA | 1991 | Lead rubber bearings and rubber bearing  |
| 3       | Campbell Hall,<br>Monmouth, Oregon, USA   | 1993 | Lead rubber isolator and rubber isolator   |
| 4       | US Court of Appeals<br>San Francisco, USA   | 1994 | Friction pendulum system   |
| 5       | New Zealand Parliament Library and<br>Parliament House, Wellington, New<br>Zealand          | 1994 | Hybrid system: Lead rubber isolators, rubber isolators and sliding bearing isolators |
| 6       | Rockwell International Corporate<br>Headquarters, Seal Beach, California, USA               | 1994 | Lead rubber isolator   |
| 7       | Oakland City Hall<br>Oakland, California, USA   | 1994 | Lead rubber isolator and rubber isolator   |
| 8       | Hughes Aircraft Building,<br>El Segundo, California, USA                                    | 1994 | Lead rubber bearing and rubber bearing   |
| 9       | Caltrans Traffic Management Center<br>San Diego, California, USA                            | 1994 | High-damping rubber bearings   |
| 10      | Long Beach V.A. Hospital<br>Long Beach, California, USA                                     | 1995 | Lead rubber isolator, rubber isolator and sliding bearing                            |
| 11      | Martin Luther King, Jr. Civic Center<br>Building, Berkeley, California, USA                 | 1995 | High-damping rubber bearing and<br>Lead rubber bearing                               |

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|----|---|----------|---|
| 12 | Kerckhoff Hall, UCLA Campus<br>Westwood Village, California, USA  | 1996     | Lead rubber isolator  |
| 13 | San Francisco City Hall and Civic Center<br>San Francisco, California, USA                              | 1998     | Lead rubber isolator  |
| 14 | Public Safety Building-911 Emergency<br>Communications Center, San Francisco,<br>California, USA        | 1998     | Lead rubber bearing and sliding<br>system                                     |
| 15 | Head office of Himeji Shinkin Bank<br>(Himeji Credit Bank)<br>Himeji City, Hyogo, Japan                 | 2000     | Rubber bearings and dampers   |
| 16 | Laboratory Building of Kansai University<br>Senriyama Campus of Kansai University,<br>Suita City, Japan | 2001     | Rubber bearings, sliding bearings<br>and oil dampers                          |
| 17 | Tokyo DIA Building, Japan   | 2001     | Rubber bearings and viscous<br>dampers  |
| 18 | Shinjuku Station West Entrance Main<br>Building, Tokyo, Japan   | 2002     | Rubber bearings   |
| 19 | Eel River Bridge<br>Robinson's Ferry, Rio Dell, USA   | 1988     | Lead rubber isolators   |
| 20 | Benicia-Martinez Bridge   | 2000     | Friction pendulum bearings  |
| 21 | Offshore Bridge Structure<br>Caspian Sea  | 2000     | Spherical PTFE sliding bearing with<br>steel hysteretic dampers               |
| 22 | Highway Bridges in Illinois, USA  | 2003     | Friction pendulum bearings  |
| 23 | Bhuj Hospital, India  | 2003     | Lead-rubber and sliding bearings<br>developed using New Zealand<br>technology |
| 24 | Million Dollar Bridge on the Copper River<br>Cordova, Alaska, USA                                       | Proposed | Friction pendulum bearings  |