**I-76 Pencoyd Viaduct Instrumentation Plan**

3’

15’

**X-Section**

32 Accelerometers:

* 20 vertically oriented
* 5 transversely oriented
* 7 longitudinally oriented

12 Strain Gauges:

* 9 on W-Beams

|  |  |  |  |
| --- | --- | --- | --- |
| Accelerometer Detail | Strain Gage Detail 1 | Strain Gauge Detail 2 | Strain Gauge Detail 3  h/3  h/3  h/3  6” |

* 3 on Box Girder

Strain

Accel.

2’

Span 7

Span 8

1/4

Midspan

3/4

1/4