

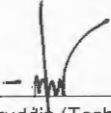
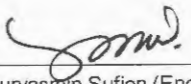


# KUMPULAN IKRAM SDN BHD

|         |                                                                                                                               |      |           |
|---------|-------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| Project | An Independent Design Check Of The Pier At Viaduct On Federal Route FT 180/001/40 West Port -North Port, Selangor Darul Ehsan | Page | 1 of 2    |
|         |                                                                                                                               | Date | 30/6/2011 |

## CRACK MONITORING BY DEMEC GAUGE

| Station | Location | Element | Crack Monitoring Reading |       |       | Mean  | Photo No | Remarks |
|---------|----------|---------|--------------------------|-------|-------|-------|----------|---------|
| DG 01A  | P 1-33   | C.HEAD  | 2.313                    | 2.315 | 2.314 | 2.314 | 1        |         |
| DG 01B  | P 1-33   | C.HEAD  | 2.331                    | 2.333 | 2.334 | 2.333 | 2        |         |
| DB 02A  | P 1-33   | COL     | 2.282                    | 2.283 | 2.284 | 2.283 | 3        |         |
| DG 02B  | P 1-33   | COL     | 2.296                    | 2.298 | 2.297 | 2.297 | 4        |         |
| DG 03A  | P 1-33   | C.HEAD  | 2.329                    | 2.329 | 2.329 | 2.329 | 5        |         |
| DG 03B  | P 1-33   | C.HEAD  | 2.275                    | 2.277 | 2.279 | 2.277 | 6        |         |
| DB 04A  | P 1-25   | COL     | 2.250                    | 2.249 | 2.249 | 2.249 | 7        |         |
| DG 04B  | P 1-25   | COL     | 2.354                    | 2.356 | 2.358 | 2.356 | 8        |         |
| DG 05A  | P 1-25   | COL     | 2.259                    | 2.260 | 2.260 | 2.260 | 9        |         |
| DG 05B  | P 1-25   | COL     | 2.237                    | 2.239 | 2.238 | 2.238 | 10       |         |
| DB 06A  | P 1-15B  | COL     | 2.252                    | 2.251 | 2.254 | 2.252 | 11       |         |
| DG 06B  | P 1-15B  | COL     | 2.256                    | 2.257 | 2.257 | 2.257 | 12       |         |
| DG 07A  | P 1-14B  | COL     | 2.254                    | 2.256 | 2.255 | 2.255 | 13       |         |
| DG 07B  | P 1-14B  | COL     | 2.265                    | 2.265 | 2.266 | 2.265 | 14       |         |
| DG 08A  | P 1-13B  | COL     | 2.250                    | 2.253 | 2.252 | 2.252 | 15       |         |

|                                                                                                                                           |                                                                                                                                             |                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Read by<br><br>Muhammad Shafiq Mohd Zaman (Technician) | Read by<br><br>Mahathir Kamaruddin (Technical Executive) | Checked by<br><br>Nuryasmin Sufian (Engineer) |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

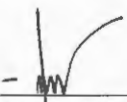
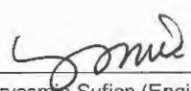


# KUMPULAN IKRAM SDN BHD

|         |                                                                                                                                  |      |           |
|---------|----------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| Project | An Independent Design Check Of The Pier At Viaduct On Federal Route FT<br>180/001/40 West Port -North Port, Selangor Darul Ehsan | Page | 2 of 2    |
|         |                                                                                                                                  | Date | 30/6/2011 |

## CRACK MONITORING BY DEMEC GAUGE

| Station | Location | Element | Crack Monitoring Reading |       |       | Mean  | Photo No | Remarks |
|---------|----------|---------|--------------------------|-------|-------|-------|----------|---------|
| DG 08B  | P 1-13B  | COL     | 2.231                    | 2.232 | 2.230 | 2.231 | 16       |         |
| DG 09A  | P 1-13B  | COL     | 2.260                    | 2.262 | 2.260 | 2.261 | 17       |         |
| DB 09B  | P 1-13B  | COL     | 2.236                    | 2.236 | 2.235 | 2.236 | 18       |         |
| DG 10A  | P 1-10A  | C.HEAD  | 2.404                    | 2.405 | 2.405 | 2.405 | 19       |         |
| DG 10B  | P 1-10A  | C.HEAD  | 2.242                    | 2.241 | 2.242 | 2.242 | 20       |         |
| DG 11A  | P 1-10A  | C.HEAD  | 2.241                    | 2.240 | 2.240 | 2.240 | 21       |         |
| DG 11B  | P 1-10A  | C.HEAD  | 2.263                    | 2.265 | 2.264 | 2.264 | 22       |         |
| DG 12A  | P 1-10A  | COL     | 2.215                    | 2.217 | 2.220 | 2.217 | 23       |         |
| DG 12B  | P 1-10A  | COL     | 2.239                    | 2.240 | 2.240 | 2.240 | 24       |         |
| DG 13A  | P 1-10A  | C.HEAD  | 2.234                    | 2.236 | 2.237 | 2.236 | 25       |         |
| DG 13B  | P 1-10A  | C.HEAD  | 2.242                    | 2.247 | 2.245 | 2.245 | 26       |         |
| DG 14A  | P 1-11A  | COL     | 2.181                    | 2.182 | 2.180 | 2.181 | 27       |         |
| DG 14B  | P 1-11A  | COL     | 2.242                    | 2.240 | 2.243 | 2.242 | 28       |         |
| DG 15A  | P 1-12A  | COL     | 2.242                    | 2.244 | 2.246 | 2.244 | 29       |         |
| DG 15B  | P 1-12A  | COL     | 2.452                    | 2.456 | 2.454 | 2.454 | 30       |         |

|                                                                                                                                           |                                                                                                                                             |                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Read by<br><br>Muhammad Shafiq Mohd Zaman (Technician) | Read by<br><br>Mahathir Kamaruddin (Technical Executive) | Checked by<br><br>Nuryasmin Sufian (Engineer) |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|