

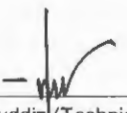
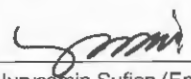


# KUMPULAN IKRAM SDN BHD

|         |                                                                                                                               |      |          |
|---------|-------------------------------------------------------------------------------------------------------------------------------|------|----------|
| 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 | 2/6/2011 |

## CRACK MONITORING BY DEMEC GAUGE

| Station | Location | Element | Crack Monitoring Reading |       |       |       | Mean  | Photo No | Remarks |
|---------|----------|---------|--------------------------|-------|-------|-------|-------|----------|---------|
| DG 01A  | P 1-33   | C.HEAD  | 2.250                    | 2.251 | 2.251 | 2.251 | 2.251 | 1        |         |
| DG 01B  | P 1-33   | C.HEAD  | 2.263                    | 2.263 | 2.262 | 2.263 | 2.263 | 2        |         |
| DB 02A  | P 1-33   | COL     | 2.227                    | 2.230 | 2.230 | 2.229 | 2.229 | 3        |         |
| DG 02B  | P 1-33   | COL     | 2.349                    | 2.350 | 2.350 | 2.350 | 2.350 | 4        |         |
| DG 03A  | P 1-33   | C.HEAD  | 2.260                    | 2.262 | 2.262 | 2.261 | 2.261 | 5        |         |
| DG 03B  | P 1-33   | C.HEAD  | 2.230                    | 2.230 | 2.230 | 2.230 | 2.230 | 6        |         |
| DB 04A  | P 1-25   | COL     | 2.212                    | 2.213 | 2.213 | 2.213 | 2.213 | 7        |         |
| DG 04B  | P 1-25   | COL     | 2.320                    | 2.319 | 2.319 | 2.319 | 2.319 | 8        |         |
| DG 05A  | P 1-25   | COL     | 2.224                    | 2.225 | 2.224 | 2.224 | 2.224 | 9        |         |
| DG 05B  | P 1-25   | COL     | 2.165                    | 2.162 | 2.162 | 2.163 | 2.163 | 10       |         |
| DB 06A  | P 1-15B  | COL     | 2.233                    | 2.232 | 2.232 | 2.232 | 2.232 | 11       |         |
| DG 06B  | P 1-15B  | COL     | 2.234                    | 2.235 | 2.235 | 2.235 | 2.235 | 12       |         |
| DG 07A  | P 1-14B  | COL     | 2.220                    | 2.220 | 2.220 | 2.220 | 2.220 | 13       |         |
| DG 07B  | P 1-14B  | COL     | 2.340                    | 2.340 | 2.339 | 2.340 | 2.340 | 14       |         |
| DG 08A  | P 1-13B  | COL     | 2.218                    | 2.217 | 2.218 | 2.218 | 2.218 | 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) |
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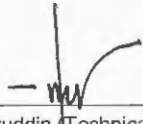
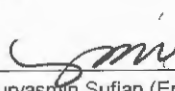


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| Project | An Independent Design Check Of The Pier At Viaduct On Federal Route FT 180/001/40 West Port -North Port, Selangor Darul Ehsan | Page | 2 of 2   |
|         |                                                                              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

## CRACK MONITORING BY DEMEC GAUGE

| Station | Location | Element | Crack Monitoring Reading |       |       | Mean  | Photo No | Remarks |
|---------|----------|---------|--------------------------|-------|-------|-------|----------|---------|
| DG 08B  | P 1-13B  | COL     | 2.211                    | 2.212 | 2.213 | 2.212 | 16       |         |
| DG 09A  | P 1-13B  | COL     | 2.233                    | 2.234 | 2.234 | 2.234 | 17       |         |
| DB 09B  | P 1-13B  | COL     | 2.212                    | 2.213 | 2.213 | 2.213 | 18       |         |
| DG 10A  | P 1-10A  | C.HEAD  | 2.249                    | 2.250 | 2.251 | 2.250 | 19       |         |
| DG 10B  | P 1-10A  | C.HEAD  | 2.209                    | 2.210 | 2.211 | 2.210 | 20       |         |
| DG 11A  | P 1-10A  | C.HEAD  | 2.120                    | 2.119 | 2.119 | 2.119 | 21       |         |
| DG 11B  | P 1-10A  | C.HEAD  | 2.250                    | 2.249 | 2.249 | 2.249 | 22       |         |
| DG 12A  | P 1-10A  | COL     | 2.285                    | 2.286 | 2.285 | 2.285 | 23       |         |
| DG 12B  | P 1-10A  | COL     | 2.211                    | 2.212 | 2.212 | 2.212 | 24       |         |
| DG 13A  | P 1-10A  | C.HEAD  | 2.230                    | 2.230 | 2.231 | 2.230 | 25       |         |
| DG 13B  | P 1-10A  | C.HEAD  | 2.240                    | 2.240 | 2.239 | 2.240 | 26       |         |
| DG 14A  | P 1-11A  | COL     | 2.170                    | 2.169 | 2.169 | 2.169 | 27       |         |
| DG 14B  | P 1-11A  | COL     | 2.229                    | 2.230 | 2.230 | 2.230 | 28       |         |
| DG 15A  | P 1-12A  | COL     | 2.232                    | 2.232 | 2.231 | 2.232 | 29       |         |
| DG 15B  | P 1-12A  | COL     | 2.434                    | 2.433 | 2.433 | 2.433 | 30       |         |

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