

(工事名) 東北自動車道 磐井川橋床版取替工事

| 対象                        | 誤  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
|---------------------------|--|----------|------------|----------------|----------------------------|----------------|----------------------------|---|-------------------------|----------------|-------------------------------|----------------|-----------------------------|----------------|---------------|----------------|---------------------------|----------------|----------------------|---|--------------------------|---|---------------------------|----------------|---|------|------|--------|--------|----------|---|------------|---|-------|------|---|------------|---|-------|------|---|------------|---|-------|------|---|-----|---|-----|------|---|------------|---|------|------|---|-----|---|------|------|-----|--------|---|-------|------|-----|--------|---|-------|------|---|-------------|---|-----|------|---|-------|---|------|------|----|-------|---|------|------|----|----------|----|------|------|----|----------|---|------|------|----|-----------|---|------|------|----|-----|---|-----|------|----|-------------|---|-----|------|--------------|--|--|------------|--|
| 設計図<br>06-3_図面 磐井川橋(下り線)3 |  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 磐井川橋(下り線)[支承取替工事]         | 正  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 追加                        | <div data-bbox="727 640 2478 1879" style="border: 2px solid red; padding: 10px;"> <p style="text-align: center;">磐井川橋(下り線)既設支承詳細図<br/>SHOE (NO.1) Ro-M-137<sup>T</sup> (MOV) SCALE: 1/10</p> <div style="float: right; width: 20%;"> <p>21/21</p> <table border="1"> <caption>DESIGN CONDITIONS</caption> <thead> <tr> <th colspan="2">REACTION</th> </tr> </thead> <tbody> <tr> <td>R<sub>1</sub></td> <td>79.9 kN Dead Load Reaction</td> </tr> <tr> <td>R<sub>2</sub></td> <td>56.8 kN Live Load Reaction</td> </tr> <tr> <td>R</td> <td>136.7 kN Total Reaction</td> </tr> <tr> <td>R<sub>L</sub></td> <td>12.0 kN Longitudinal Reaction</td> </tr> <tr> <td>R<sub>T</sub></td> <td>12.0 kN Transverse Reaction</td> </tr> <tr> <td>R<sub>U</sub></td> <td>0.0 kN Uplift</td> </tr> </tbody> </table> <table border="1"> <caption>MOVEMENT</caption> <tbody> <tr> <td>Δ<sub>1</sub></td> <td>100(60) mm Movable Length</td> </tr> <tr> <td>Δ<sub>2</sub></td> <td>60 mm Surplus Length</td> </tr> <tr> <td>Δ</td> <td>160(120) mm Total Length</td> </tr> </tbody> </table> <table border="1"> <caption>FRICITION</caption> <tbody> <tr> <td>μ</td> <td>0.05 Friction Coefficient</td> </tr> </tbody> </table> <table border="1"> <caption>SEISMIC INTENSITY COEFFICIENT</caption> <tbody> <tr> <td>K<sub>H</sub></td> <td>0.15 Horizontal Seismic Intensity Coefficient</td> </tr> </tbody> </table> <table border="1"> <caption>MATERIAL LIST</caption> <thead> <tr> <th>MARK</th> <th>NAME</th> <th>NUMBER</th> <th>WEIGHT</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Upper Shoe</td> <td>1</td> <td>110.6</td> <td>SC46</td> </tr> <tr> <td>2</td> <td>Lower Shoe</td> <td>1</td> <td>398.4</td> <td>SC46</td> </tr> <tr> <td>3</td> <td>Base Plate</td> <td>1</td> <td>331.3</td> <td>SC46</td> </tr> <tr> <td>4</td> <td>Cap</td> <td>2</td> <td>9.6</td> <td>SC46</td> </tr> <tr> <td>5</td> <td>Side Block</td> <td>2</td> <td>71.6</td> <td>SC46</td> </tr> <tr> <td>6</td> <td>Pin</td> <td>1</td> <td>20.7</td> <td>SS41</td> </tr> <tr> <td>7,1</td> <td>Roller</td> <td>2</td> <td>148.3</td> <td>SS41</td> </tr> <tr> <td>7,2</td> <td>Roller</td> <td>2</td> <td>150.8</td> <td>SS41</td> </tr> <tr> <td>8</td> <td>Guide Plate</td> <td>4</td> <td>3.9</td> <td>SS41</td> </tr> <tr> <td>9</td> <td>Plate</td> <td>2</td> <td>19.6</td> <td>SS41</td> </tr> <tr> <td>10</td> <td>Plate</td> <td>2</td> <td>15.9</td> <td>SS41</td> </tr> <tr> <td>11</td> <td>Top Bolt</td> <td>16</td> <td>0.24</td> <td>SS41</td> </tr> <tr> <td>12</td> <td>Top Bolt</td> <td>8</td> <td>0.24</td> <td>SS41</td> </tr> <tr> <td>13</td> <td>Conn Bolt</td> <td>4</td> <td>0.63</td> <td>SS41</td> </tr> <tr> <td>14</td> <td>Nut</td> <td>2</td> <td>0.6</td> <td>SS41</td> </tr> <tr> <td>15</td> <td>Anchor Bolt</td> <td>4</td> <td>5.8</td> <td>SS41</td> </tr> <tr> <td colspan="3">Total Weight</td> <td>1,756.3 kg</td> <td></td> </tr> </tbody> </table> </div> </div> | REACTION |            | R <sub>1</sub> | 79.9 kN Dead Load Reaction | R <sub>2</sub> | 56.8 kN Live Load Reaction | R | 136.7 kN Total Reaction | R <sub>L</sub> | 12.0 kN Longitudinal Reaction | R <sub>T</sub> | 12.0 kN Transverse Reaction | R <sub>U</sub> | 0.0 kN Uplift | Δ <sub>1</sub> | 100(60) mm Movable Length | Δ <sub>2</sub> | 60 mm Surplus Length | Δ | 160(120) mm Total Length | μ | 0.05 Friction Coefficient | K <sub>H</sub> | 0.15 Horizontal Seismic Intensity Coefficient | MARK | NAME | NUMBER | WEIGHT | MATERIAL | 1 | Upper Shoe | 1 | 110.6 | SC46 | 2 | Lower Shoe | 1 | 398.4 | SC46 | 3 | Base Plate | 1 | 331.3 | SC46 | 4 | Cap | 2 | 9.6 | SC46 | 5 | Side Block | 2 | 71.6 | SC46 | 6 | Pin | 1 | 20.7 | SS41 | 7,1 | Roller | 2 | 148.3 | SS41 | 7,2 | Roller | 2 | 150.8 | SS41 | 8 | Guide Plate | 4 | 3.9 | SS41 | 9 | Plate | 2 | 19.6 | SS41 | 10 | Plate | 2 | 15.9 | SS41 | 11 | Top Bolt | 16 | 0.24 | SS41 | 12 | Top Bolt | 8 | 0.24 | SS41 | 13 | Conn Bolt | 4 | 0.63 | SS41 | 14 | Nut | 2 | 0.6 | SS41 | 15 | Anchor Bolt | 4 | 5.8 | SS41 | Total Weight |  |  | 1,756.3 kg |  |
| REACTION                  |  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R <sub>1</sub>            | 79.9 kN Dead Load Reaction   |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R <sub>2</sub>            | 56.8 kN Live Load Reaction   |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R                         | 136.7 kN Total Reaction  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R <sub>L</sub>            | 12.0 kN Longitudinal Reaction  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R <sub>T</sub>            | 12.0 kN Transverse Reaction  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| R <sub>U</sub>            | 0.0 kN Uplift  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| Δ <sub>1</sub>            | 100(60) mm Movable Length  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| Δ <sub>2</sub>            | 60 mm Surplus Length   |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| Δ                         | 160(120) mm Total Length   |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| μ                         | 0.05 Friction Coefficient  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| K <sub>H</sub>            | 0.15 Horizontal Seismic Intensity Coefficient  |          |            |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| MARK                      | NAME   | NUMBER   | WEIGHT     | MATERIAL       |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 1                         | Upper Shoe   | 1        | 110.6      | SC46           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 2                         | Lower Shoe   | 1        | 398.4      | SC46           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 3                         | Base Plate   | 1        | 331.3      | SC46           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 4                         | Cap  | 2        | 9.6        | SC46           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 5                         | Side Block   | 2        | 71.6       | SC46           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 6                         | Pin  | 1        | 20.7       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 7,1                       | Roller   | 2        | 148.3      | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 7,2                       | Roller   | 2        | 150.8      | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 8                         | Guide Plate  | 4        | 3.9        | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 9                         | Plate  | 2        | 19.6       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 10                        | Plate  | 2        | 15.9       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 11                        | Top Bolt   | 16       | 0.24       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 12                        | Top Bolt   | 8        | 0.24       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 13                        | Conn Bolt  | 4        | 0.63       | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 14                        | Nut  | 2        | 0.6        | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| 15                        | Anchor Bolt  | 4        | 5.8        | SS41           |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |
| Total Weight              |  |          | 1,756.3 kg |                |                            |                |                            |   |                         |                |                               |                |                             |                |               |                |                           |                |                      |   |                          |   |                           |                |   |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |           |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |            |  |

(工事名) 東北自動車道 磐井川橋床版取替工事

| <p>対象</p>  | <p>誤</p>  |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
|--|---|--|-----------|----------|--|----------|--|--|--|----|----------|--------------------|--|------|----------|--------------------|--|---|-----------|----------------|--|-----------------|----------|-----------------------|--|-----------------|----------|---------------------|--|----------------|---------|--------|--|----------|--|--|--|----|-------------|---------------|--|----|-------|---------------|--|---|--------------|--------------|--|----------|--|--|--|----------------|------|----------------------|--|-------------------------------|--|--|--|----------------|------|--|--|---------------|--|--|--|--|------|------|--------|--------|----------|---|------------|---|-------|------|---|------------|---|-------|------|---|------------|---|-------|------|---|-----|---|-----|------|---|------------|---|------|------|---|-----|---|------|------|-----|--------|---|-------|------|-----|--------|---|-------|------|---|-------------|---|-----|------|---|-------|---|------|------|----|-------|---|------|------|----|----------|----|------|------|----|----------|---|------|------|----|------------|---|------|------|----|-----|---|-----|------|----|-------------|---|-----|------|--------------|--|--|-----------|--|
| <p>設計図</p>   | <p>正</p>  |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| <p>06-4_図面 磐井川橋 (上り線)<br/>磐井川橋 (上り線) [支承取替工事]<br/>追加</p> | <div style="border: 2px solid red; padding: 10px;"> <p style="text-align: center;">磐井川橋 (上り線) 既設支承詳細図<br/>SHOE (NO.1) Ro-M-137<sup>T</sup> (MOV) SCALE 1/10</p> <p style="text-align: right;">25 / 25</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">DESIGN CONDITIONS</th> </tr> </thead> <tbody> <tr> <td colspan="4">REACTION</td> </tr> <tr> <td>Rd</td> <td>79.9 t/m</td> <td>Dead Load Reaction</td> <td></td> </tr> <tr> <td>R(L)</td> <td>36.8 t/m</td> <td>Live Load Reaction</td> <td></td> </tr> <tr> <td>R</td> <td>136.7 t/m</td> <td>Total Reaction</td> <td></td> </tr> <tr> <td>R<sub>h1</sub></td> <td>12.0 t/m</td> <td>Longitudinal Reaction</td> <td></td> </tr> <tr> <td>R<sub>h2</sub></td> <td>12.0 t/m</td> <td>Transverse Reaction</td> <td></td> </tr> <tr> <td>R<sub>v</sub></td> <td>8.0 t/m</td> <td>Uplift</td> <td></td> </tr> <tr> <td colspan="4">MOVEMENT</td> </tr> <tr> <td>s1</td> <td>100 (60) mm</td> <td>Maxim. Length</td> <td></td> </tr> <tr> <td>s2</td> <td>60 mm</td> <td>Stroke Length</td> <td></td> </tr> <tr> <td>s</td> <td>160 (120) mm</td> <td>Total Length</td> <td></td> </tr> <tr> <td colspan="4">FRICTION</td> </tr> <tr> <td>f<sub>s</sub></td> <td>0.05</td> <td>Friction Coefficient</td> <td></td> </tr> <tr> <td colspan="4">SEISMIC INTENSITY COEFFICIENT</td> </tr> <tr> <td>K<sub>H</sub></td> <td>0.15</td> <td>Horizontal Seismic Intensity Coefficient</td> <td></td> </tr> </tbody> </table> <br/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">MATERIAL LIST</th> </tr> </thead> <tbody> <tr> <th>MARK</th> <th>NAME</th> <th>NUMBER</th> <th>WEIGHT</th> <th>MATERIAL</th> </tr> <tr> <td>1</td> <td>Upper Shoe</td> <td>1</td> <td>110.6</td> <td>SC46</td> </tr> <tr> <td>2</td> <td>Lower Shoe</td> <td>1</td> <td>598.4</td> <td>SC46</td> </tr> <tr> <td>3</td> <td>Base Plate</td> <td>1</td> <td>331.3</td> <td>SC46</td> </tr> <tr> <td>4</td> <td>Cap</td> <td>2</td> <td>9.6</td> <td>SC46</td> </tr> <tr> <td>5</td> <td>Side Block</td> <td>2</td> <td>71.6</td> <td>SC46</td> </tr> <tr> <td>6</td> <td>Pin</td> <td>1</td> <td>20.7</td> <td>SS41</td> </tr> <tr> <td>7-1</td> <td>Roller</td> <td>2</td> <td>158.3</td> <td>SS41</td> </tr> <tr> <td>7-2</td> <td>Roller</td> <td>2</td> <td>150.8</td> <td>SS41</td> </tr> <tr> <td>8</td> <td>Guide Plate</td> <td>4</td> <td>3.0</td> <td>SS41</td> </tr> <tr> <td>9</td> <td>Plate</td> <td>2</td> <td>19.6</td> <td>SS41</td> </tr> <tr> <td>10</td> <td>Plate</td> <td>2</td> <td>15.9</td> <td>SS41</td> </tr> <tr> <td>11</td> <td>Top Bolt</td> <td>16</td> <td>0.04</td> <td>SS41</td> </tr> <tr> <td>12</td> <td>Top Bolt</td> <td>8</td> <td>0.04</td> <td>SS41</td> </tr> <tr> <td>13</td> <td>Conn. Bolt</td> <td>4</td> <td>0.61</td> <td>SS41</td> </tr> <tr> <td>14</td> <td>Nut</td> <td>2</td> <td>0.6</td> <td>SS41</td> </tr> <tr> <td>15</td> <td>Anchor Bolt</td> <td>4</td> <td>5.8</td> <td>SS41</td> </tr> <tr> <td colspan="3">Total Weight</td> <td>1756.3 kg</td> <td></td> </tr> </tbody> </table> </div> | DESIGN CONDITIONS                        |           |          |  | REACTION |  |  |  | Rd | 79.9 t/m | Dead Load Reaction |  | R(L) | 36.8 t/m | Live Load Reaction |  | R | 136.7 t/m | Total Reaction |  | R <sub>h1</sub> | 12.0 t/m | Longitudinal Reaction |  | R <sub>h2</sub> | 12.0 t/m | Transverse Reaction |  | R <sub>v</sub> | 8.0 t/m | Uplift |  | MOVEMENT |  |  |  | s1 | 100 (60) mm | Maxim. Length |  | s2 | 60 mm | Stroke Length |  | s | 160 (120) mm | Total Length |  | FRICTION |  |  |  | f <sub>s</sub> | 0.05 | Friction Coefficient |  | SEISMIC INTENSITY COEFFICIENT |  |  |  | K <sub>H</sub> | 0.15 | Horizontal Seismic Intensity Coefficient |  | MATERIAL LIST |  |  |  |  | MARK | NAME | NUMBER | WEIGHT | MATERIAL | 1 | Upper Shoe | 1 | 110.6 | SC46 | 2 | Lower Shoe | 1 | 598.4 | SC46 | 3 | Base Plate | 1 | 331.3 | SC46 | 4 | Cap | 2 | 9.6 | SC46 | 5 | Side Block | 2 | 71.6 | SC46 | 6 | Pin | 1 | 20.7 | SS41 | 7-1 | Roller | 2 | 158.3 | SS41 | 7-2 | Roller | 2 | 150.8 | SS41 | 8 | Guide Plate | 4 | 3.0 | SS41 | 9 | Plate | 2 | 19.6 | SS41 | 10 | Plate | 2 | 15.9 | SS41 | 11 | Top Bolt | 16 | 0.04 | SS41 | 12 | Top Bolt | 8 | 0.04 | SS41 | 13 | Conn. Bolt | 4 | 0.61 | SS41 | 14 | Nut | 2 | 0.6 | SS41 | 15 | Anchor Bolt | 4 | 5.8 | SS41 | Total Weight |  |  | 1756.3 kg |  |
| DESIGN CONDITIONS  |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| REACTION   |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| Rd   | 79.9 t/m  | Dead Load Reaction                       |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| R(L)   | 36.8 t/m  | Live Load Reaction                       |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| R  | 136.7 t/m   | Total Reaction                           |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| R <sub>h1</sub>  | 12.0 t/m  | Longitudinal Reaction                    |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| R <sub>h2</sub>  | 12.0 t/m  | Transverse Reaction                      |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| R <sub>v</sub>   | 8.0 t/m   | Uplift                                   |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| MOVEMENT   |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| s1   | 100 (60) mm   | Maxim. Length                            |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| s2   | 60 mm   | Stroke Length                            |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| s  | 160 (120) mm  | Total Length                             |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| FRICTION   |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| f <sub>s</sub>   | 0.05  | Friction Coefficient                     |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| SEISMIC INTENSITY COEFFICIENT                            |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| K <sub>H</sub>   | 0.15  | Horizontal Seismic Intensity Coefficient |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| MATERIAL LIST  |   |  |           |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| MARK   | NAME  | NUMBER                                   | WEIGHT    | MATERIAL |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 1  | Upper Shoe  | 1  | 110.6     | SC46     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 2  | Lower Shoe  | 1  | 598.4     | SC46     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 3  | Base Plate  | 1  | 331.3     | SC46     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 4  | Cap   | 2  | 9.6       | SC46     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 5  | Side Block  | 2  | 71.6      | SC46     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 6  | Pin   | 1  | 20.7      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 7-1  | Roller  | 2  | 158.3     | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 7-2  | Roller  | 2  | 150.8     | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 8  | Guide Plate   | 4  | 3.0       | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 9  | Plate   | 2  | 19.6      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 10   | Plate   | 2  | 15.9      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 11   | Top Bolt  | 16                                       | 0.04      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 12   | Top Bolt  | 8  | 0.04      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 13   | Conn. Bolt  | 4  | 0.61      | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 14   | Nut   | 2  | 0.6       | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| 15   | Anchor Bolt   | 4  | 5.8       | SS41     |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |
| Total Weight   |   |  | 1756.3 kg |          |  |          |  |  |  |    |          |                    |  |      |          |                    |  |   |           |                |  |                 |          |                       |  |                 |          |                     |  |                |         |        |  |          |  |  |  |    |             |               |  |    |       |               |  |   |              |              |  |          |  |  |  |                |      |                      |  |                               |  |  |  |                |      |  |  |               |  |  |  |  |      |      |        |        |          |   |            |   |       |      |   |            |   |       |      |   |            |   |       |      |   |     |   |     |      |   |            |   |      |      |   |     |   |      |      |     |        |   |       |      |     |        |   |       |      |   |             |   |     |      |   |       |   |      |      |    |       |   |      |      |    |          |    |      |      |    |          |   |      |      |    |            |   |      |      |    |     |   |     |      |    |             |   |     |      |              |  |  |           |  |

(工事名) 東北自動車道 磐井川橋床版取替工事

| 対象  | 誤  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
|---|--|---------------------|-----------------|----|---|----|---|----|--------------------------------------|-----|--|-----|---|-----|----------------------------|---|----------------------|----|----------------------|----|--------------------|---|---------------------------|----------------|--|------|------|---------------------|-----------------|---|------------|---|-----------|---|------------|---|-----------|---|---------------|---|-------------|---|-----------|---|-------------|---|------------|---|--------------|---|-----------------|---|--------------|---|-------------|---|----------------|---|------------|---|---------------|---|-------|---|--------------|--------------|--|--|----------|
| 設計図<br>06-5_図面 磐井川橋高架橋<br>磐井川橋高架橋<br>[支承取替工事] | 正  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 追加  | <div data-bbox="753 646 2475 1898" style="border: 2px solid red; padding: 10px;"> <p style="text-align: center;">磐井川橋高架橋 既設支承詳細図 (1)</p> <p style="text-align: center;">BP-A-RC-100<sup>100</sup> SHOE Mov SCALE 1:5</p> <div style="float: right; width: 20%;"> <p><b>DESIGN CONDITIONS (Mov)</b></p> <table border="1"> <thead> <tr> <th colspan="2">REACTION</th> </tr> </thead> <tbody> <tr> <td>Rx</td> <td>40.32<sup>100</sup> Dead Load Reaction</td> </tr> <tr> <td>Ry</td> <td>60.93<sup>100</sup> Live Load Reaction</td> </tr> <tr> <td>Rz</td> <td>101.25<sup>100</sup> Total Reaction</td> </tr> <tr> <td>Rax</td> <td>15.18<sup>100</sup> Longitudinal Reaction (Upper &amp; Total)</td> </tr> <tr> <td>Ray</td> <td>6.05<sup>100</sup> Transverse Reaction</td> </tr> <tr> <td>Raz</td> <td>4.02<sup>100</sup> Uplift</td> </tr> </tbody> </table> <p><b>MOVEMENT</b></p> <table border="1"> <tbody> <tr> <td>Δ</td> <td>50 mm Movable Length</td> </tr> <tr> <td>Δs</td> <td>40 mm Surplus Length</td> </tr> <tr> <td>Δt</td> <td>90 mm Total Length</td> </tr> </tbody> </table> <p><b>FRICTION</b></p> <table border="1"> <tbody> <tr> <td>μ</td> <td>0.15 Friction Coefficient</td> </tr> </tbody> </table> <p><b>SEISMIC INTENSITY COEFFICIENT</b></p> <table border="1"> <tbody> <tr> <td>K<sub>h</sub></td> <td>Horizontal Seismic Intensity Coefficient</td> </tr> </tbody> </table> <br/> <p><b>MATERIAL LIST (Mov)</b></p> <table border="1"> <thead> <tr> <th>MARK</th> <th>NAME</th> <th>MARKET WEIGHT (COM)</th> <th>WEIGHT MATERIAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lower Shoe</td> <td>1</td> <td>22.4 SC46</td> </tr> <tr> <td>2</td> <td>Upper Shoe</td> <td>1</td> <td>32.2 SS41</td> </tr> <tr> <td>3</td> <td>Bearing Plate</td> <td>1</td> <td>12.1 HBs SL</td> </tr> <tr> <td>4</td> <td>Seal Ring</td> <td>1</td> <td>0.3 Neopren</td> </tr> <tr> <td>5</td> <td>Size Block</td> <td>2</td> <td>5.5 1.0 SC46</td> </tr> <tr> <td>6</td> <td>Size Block Bolt</td> <td>4</td> <td>0.2 0.8 SS41</td> </tr> <tr> <td>7</td> <td>Anchor Bolt</td> <td>2</td> <td>8.45 16.9 SS41</td> </tr> <tr> <td>8</td> <td>Anchor Bar</td> <td>4</td> <td>2.25 9.0 SS41</td> </tr> <tr> <td>9</td> <td>Plate</td> <td>2</td> <td>3.2 6.4 SS41</td> </tr> <tr> <td colspan="3">Total Weight</td> <td>271.1 kg</td> </tr> </tbody> </table> </div> </div> | REACTION            |                 | Rx | 40.32 <sup>100</sup> Dead Load Reaction | Ry | 60.93 <sup>100</sup> Live Load Reaction | Rz | 101.25 <sup>100</sup> Total Reaction | Rax | 15.18 <sup>100</sup> Longitudinal Reaction (Upper & Total) | Ray | 6.05 <sup>100</sup> Transverse Reaction | Raz | 4.02 <sup>100</sup> Uplift | Δ | 50 mm Movable Length | Δs | 40 mm Surplus Length | Δt | 90 mm Total Length | μ | 0.15 Friction Coefficient | K <sub>h</sub> | Horizontal Seismic Intensity Coefficient | MARK | NAME | MARKET WEIGHT (COM) | WEIGHT MATERIAL | 1 | Lower Shoe | 1 | 22.4 SC46 | 2 | Upper Shoe | 1 | 32.2 SS41 | 3 | Bearing Plate | 1 | 12.1 HBs SL | 4 | Seal Ring | 1 | 0.3 Neopren | 5 | Size Block | 2 | 5.5 1.0 SC46 | 6 | Size Block Bolt | 4 | 0.2 0.8 SS41 | 7 | Anchor Bolt | 2 | 8.45 16.9 SS41 | 8 | Anchor Bar | 4 | 2.25 9.0 SS41 | 9 | Plate | 2 | 3.2 6.4 SS41 | Total Weight |  |  | 271.1 kg |
| REACTION                                      |  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Rx  | 40.32 <sup>100</sup> Dead Load Reaction  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Ry  | 60.93 <sup>100</sup> Live Load Reaction  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Rz  | 101.25 <sup>100</sup> Total Reaction   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Rax   | 15.18 <sup>100</sup> Longitudinal Reaction (Upper & Total)   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Ray   | 6.05 <sup>100</sup> Transverse Reaction  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Raz   | 4.02 <sup>100</sup> Uplift   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Δ   | 50 mm Movable Length   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Δs  | 40 mm Surplus Length   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Δt  | 90 mm Total Length   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| μ   | 0.15 Friction Coefficient  |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| K <sub>h</sub>                                | Horizontal Seismic Intensity Coefficient   |                     |                 |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| MARK  | NAME   | MARKET WEIGHT (COM) | WEIGHT MATERIAL |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 1   | Lower Shoe   | 1                   | 22.4 SC46       |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 2   | Upper Shoe   | 1                   | 32.2 SS41       |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 3   | Bearing Plate  | 1                   | 12.1 HBs SL     |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 4   | Seal Ring  | 1                   | 0.3 Neopren     |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 5   | Size Block   | 2                   | 5.5 1.0 SC46    |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 6   | Size Block Bolt  | 4                   | 0.2 0.8 SS41    |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 7   | Anchor Bolt  | 2                   | 8.45 16.9 SS41  |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 8   | Anchor Bar   | 4                   | 2.25 9.0 SS41   |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| 9   | Plate  | 2                   | 3.2 6.4 SS41    |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |
| Total Weight                                  |  |                     | 271.1 kg        |    |   |    |   |    |                                      |     |  |     |   |     |                            |   |                      |    |                      |    |                    |   |                           |                |  |      |      |                     |                 |   |            |   |           |   |            |   |           |   |               |   |             |   |           |   |             |   |            |   |              |   |                 |   |              |   |             |   |                |   |            |   |               |   |       |   |              |              |  |  |          |

(工事名) 東北自動車道 磐井川橋床版取替工事

| 対象   | 誤  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
|--|--|----------|------|--------|-----------|----|-----------|----|------------|----|-----------|----|----------|----|---------|----------|--|----|-------|----|-------|----|-------|-----------|--|----|------|-------------------------------|--|----|--|------|---------|--------|------|--------|----------|---|------------|---|---|-------|------|---|------------|---|---|-------|------|---|---------------|---|---|------|------|---|--------|---|---|-----|----|---|------------|---|---|------|------|---|-----------------|---|---|------|------|---|-------------|---|---|-------|------|---|-------------|---|---|------|------|---|-------|---|---|-----|------|--------------|--|--|--|-------|---|
| 設計図<br>06-5_図面 磐井川橋高架橋<br>磐井川高架橋<br>[支承取替工事] | 正  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 追加   | <div data-bbox="753 621 2445 1822" style="border: 2px solid red; padding: 10px;"> <p style="text-align: center;">磐井川橋高架橋 既設支承詳細図 (2)</p> <p style="text-align: center;">BP-A - RC - 150<sup>ton</sup> SHOE Mov SCALE 1:5</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="825 661 1276 1753"> <p>① (SC46)</p> <p>② (SS41)</p> <p>③ (NBc3+SL)</p> <p>④ (Neopren Gum)</p> </div> <div data-bbox="1305 661 1810 1606"> <p>⑤ (SC46)</p> <p>⑥ 4-Top Bolts M24x70 (SS41)</p> <p>⑦ (Mov) 2-Anchor Bolts 5φ x 860 (SS41)</p> <p>⑧ (Mov) 4-Anchor Bolts 3φ x 400 (SS41)</p> <p>⑨ 2-Pls 135 x 8 x 530 (SS41)</p> </div> <div data-bbox="2122 661 2389 1270"> <p style="text-align: right;">18/18</p> <p>DESIGN CONDITIONS (Mov)</p> <table border="1"> <thead> <tr> <th colspan="2">REACTION</th> </tr> </thead> <tbody> <tr> <td>Rx</td> <td>49.75 ton</td> </tr> <tr> <td>Ry</td> <td>82.59 ton</td> </tr> <tr> <td>Rz</td> <td>142.74 ton</td> </tr> <tr> <td>Rx</td> <td>21.41 ton</td> </tr> <tr> <td>Ry</td> <td>7.46 ton</td> </tr> <tr> <td>Rz</td> <td>5.0 ton</td> </tr> </tbody> </table> <p>MOVEMENT</p> <table border="1"> <thead> <tr> <th colspan="2">MOVEMENT</th> </tr> </thead> <tbody> <tr> <td>Δx</td> <td>30 mm</td> </tr> <tr> <td>Δy</td> <td>60 mm</td> </tr> <tr> <td>Δz</td> <td>90 mm</td> </tr> </tbody> </table> <p>FRICITION</p> <table border="1"> <thead> <tr> <th colspan="2">FRICITION</th> </tr> </thead> <tbody> <tr> <td>fx</td> <td>0.15</td> </tr> </tbody> </table> <p>SEISMIC INTENSITY COEFFICIENT</p> <table border="1"> <thead> <tr> <th colspan="2">SEISMIC INTENSITY COEFFICIENT</th> </tr> </thead> <tbody> <tr> <td>fx</td> <td>Horizontal Seismic Intensity Coefficient</td> </tr> </tbody> </table> <p>MATERIAL LIST (Mov)</p> <table border="1"> <thead> <tr> <th>MARK</th> <th>N.A.M.E</th> <th>NUMBER</th> <th>UNIT</th> <th>WEIGHT</th> <th>MATERIAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lower Shoe</td> <td>1</td> <td>個</td> <td>422.7</td> <td>SC46</td> </tr> <tr> <td>2</td> <td>Upper Shoe</td> <td>1</td> <td>個</td> <td>143.0</td> <td>SS41</td> </tr> <tr> <td>3</td> <td>Bearing Plate</td> <td>1</td> <td>個</td> <td>19.9</td> <td>SS41</td> </tr> <tr> <td>4</td> <td>Roller</td> <td>1</td> <td>個</td> <td>0.4</td> <td>鋼丸</td> </tr> <tr> <td>5</td> <td>Side Block</td> <td>2</td> <td>個</td> <td>9.55</td> <td>SC46</td> </tr> <tr> <td>6</td> <td>Side Block Bolt</td> <td>4</td> <td>個</td> <td>0.45</td> <td>SS41</td> </tr> <tr> <td>7</td> <td>Anchor Bolt</td> <td>2</td> <td>個</td> <td>14.24</td> <td>SS41</td> </tr> <tr> <td>8</td> <td>Anchor Bolt</td> <td>4</td> <td>個</td> <td>3.73</td> <td>SS41</td> </tr> <tr> <td>9</td> <td>Plate</td> <td>2</td> <td>個</td> <td>4.1</td> <td>SS41</td> </tr> <tr> <td colspan="4">Total Weight</td> <td>457.2</td> <td>N</td> </tr> </tbody> </table> </div> </div> </div> | REACTION |      | Rx     | 49.75 ton | Ry | 82.59 ton | Rz | 142.74 ton | Rx | 21.41 ton | Ry | 7.46 ton | Rz | 5.0 ton | MOVEMENT |  | Δx | 30 mm | Δy | 60 mm | Δz | 90 mm | FRICITION |  | fx | 0.15 | SEISMIC INTENSITY COEFFICIENT |  | fx | Horizontal Seismic Intensity Coefficient | MARK | N.A.M.E | NUMBER | UNIT | WEIGHT | MATERIAL | 1 | Lower Shoe | 1 | 個 | 422.7 | SC46 | 2 | Upper Shoe | 1 | 個 | 143.0 | SS41 | 3 | Bearing Plate | 1 | 個 | 19.9 | SS41 | 4 | Roller | 1 | 個 | 0.4 | 鋼丸 | 5 | Side Block | 2 | 個 | 9.55 | SC46 | 6 | Side Block Bolt | 4 | 個 | 0.45 | SS41 | 7 | Anchor Bolt | 2 | 個 | 14.24 | SS41 | 8 | Anchor Bolt | 4 | 個 | 3.73 | SS41 | 9 | Plate | 2 | 個 | 4.1 | SS41 | Total Weight |  |  |  | 457.2 | N |
| REACTION                                     |  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Rx   | 49.75 ton  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Ry   | 82.59 ton  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Rz   | 142.74 ton   |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Rx   | 21.41 ton  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Ry   | 7.46 ton   |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Rz   | 5.0 ton  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| MOVEMENT                                     |  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Δx   | 30 mm  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Δy   | 60 mm  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Δz   | 90 mm  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| FRICITION                                    |  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| fx   | 0.15   |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| SEISMIC INTENSITY COEFFICIENT                |  |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| fx   | Horizontal Seismic Intensity Coefficient   |          |      |        |           |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| MARK   | N.A.M.E  | NUMBER   | UNIT | WEIGHT | MATERIAL  |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 1  | Lower Shoe   | 1        | 個    | 422.7  | SC46      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 2  | Upper Shoe   | 1        | 個    | 143.0  | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 3  | Bearing Plate  | 1        | 個    | 19.9   | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 4  | Roller   | 1        | 個    | 0.4    | 鋼丸        |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 5  | Side Block   | 2        | 個    | 9.55   | SC46      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 6  | Side Block Bolt  | 4        | 個    | 0.45   | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 7  | Anchor Bolt  | 2        | 個    | 14.24  | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 8  | Anchor Bolt  | 4        | 個    | 3.73   | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| 9  | Plate  | 2        | 個    | 4.1    | SS41      |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |
| Total Weight                                 |  |          |      | 457.2  | N         |    |           |    |            |    |           |    |          |    |         |          |  |    |       |    |       |    |       |           |  |    |      |                               |  |    |  |      |         |        |      |        |          |   |            |   |   |       |      |   |            |   |   |       |      |   |               |   |   |      |      |   |        |   |   |     |    |   |            |   |   |      |      |   |                 |   |   |      |      |   |             |   |   |       |      |   |             |   |   |      |      |   |       |   |   |     |      |              |  |  |  |       |   |