# 非開削による地震対策3工法の年度別施工実績（耐震化人孔数／管口数）

【凡例】**G工法**：既設人孔耐震化工法（ガリガリ君）／**F工法**：フロートレス工法（マンホール浮上抑制工法）／**T工法**：更生管マンホール接続部耐震化工法（耐震一発くん）

*＜1ページ＞東京都～千葉県【関東(1)小計】*

【凡例】G工法 F工法 T工法 **各都市の工法別着手年度（G／F工法：人孔数、T工法：管口数）**

| 施工年度 | 平成13 | 平成14 | 平成15 | 平成16 | 平成17 | 平成18 | 平成19 | | 平成20 | | | 平成21 | | | 平成22 | | | 平成23 | | | 平成24 | | | 平成25 | | | 平成26 | | | 平成27 | | | 平成28 | | | 平成29 | | | 平成29年度末（累計） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 地区／工法名 | G工法 | | | | | | | F工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 |
| **区部** | 457 | 1,061 | 1,379 | 1,854 | 1,426 | 1,618 | 2,219 | 13 | 2,019 | 380 | | 2,873 | 1,350 | 4 | 2,651 | 6,932 | | 3,207 | 866 | 2 | 4,236 | 3,224 | 4 | 5,594 | 1,424 | 253 | 6,316 | 1,898 | 599 | 5,117 | 1,286 | 272 | 4,542 | 1,415 | 199 | 2,971 | 798 | 112 | 49,540 | 19,586 | 1,445 |
| **多摩地区** | 0 | 0 | 0 | 0 | 151 | 285 | 352 | 0 | 327 | 0 | 0 | 373 | 0 | 0 | 406 | 30 | 28 | 371 | 2 | 0 | 492 | 0 | 2 | 270 | 28 | 2 | 293 | 85 | 16 | 175 | 39 | 100 | 197 | 105 | 75 | 95 | 120 | 11 | 3,787 | 409 | 234 |
| 昭島市 | | | | | | | | | | | | 48 | | | 52 | | | 58 | | | 132 | | | 44 | | | 81 | | | 54 | | | 53 | | | 40 | | | 562 | 0 | 0 |
| 国立市 | | | | | | | | | | | | 14 | | | 10 | | | 10 | | | 22 | | | | | | | | | | | | | | | | | | 56 | 0 | 0 |
| 国分寺市 | | | | | | | | | | | | | | | | 30 | | | | | | | | | | | | | | | 34 | | | 85 | | | 98 | | 0 | 247 | 0 |
| 清瀬市 | | | | | | | | | | | | 52 | | | 71 | | | 40 | | | 61 | | | 24 | | | | | | | | | | | | | | | 248 | 0 | 0 |
| 小金井市 | | | | | | | | | | | | | | | | | | 26 | | | | | | | | | | 3 | | | | | | | | | | | 26 | 3 | 0 |
| 小平市 | | | | | | | | | | | | | | | 17 | | | 22 | | | 50 | | 2 | | | | | | | | | | | | | | | | 89 | 0 | 2 |
| 狛江市 | | | | | | | | | | | | | | | | | | | | | 14 | | | 19 | | | 8 | | | 18 | | | | | | 12 | | | 71 | 0 | 0 |
| 立川市 | | | | | | | | | | | | | | | 18 | | | 19 | | | | | | 18 | | | 21 | | | | | | 3 | | 2 | | | | 79 | 0 | 2 |
| 多摩市 | | | | | 44 | 130 | 181 | | 159 | | | 132 | | | 180 | | | 127 | | | 73 | | | 85 | | | 71 | | | 20 | | | | | | | | | 1,202 | 0 | 0 |
| 調布市 | | | | | | | | | | | | | | | 19 | | | 31 | | | 61 | | | | | | 37 | | | 41 | | | 65 | | | | | | 254 | 0 | 0 |
| 八王子市 | | | | | | | | | | | | | | | | | 28 | | | | | | | | | 2 | | | | | 5 | 100 | | 20 | 33 | | | | 0 | 25 | 163 |
| 日野市 | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | 67 | | | | | | | | | 22 | | 0 | 101 | 0 |
| 府中市 | | | | | | | | | | | | | | | | | | | | | | | | 60 | 16 | | 65 | 15 | | 26 | | | 73 | | 1 | 4 | | | 228 | 31 | 1 |
| 福生市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | 3 | 0 | 0 |
| 町田市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | 29 | | | 11 | 0 | 0 | 56 |
| 三鷹市 | | | | | | | | | | | | | | | 39 | | | 38 | 2 | | 69 | | | 20 | | | 10 | | | 16 | | | | | 10 | 9 | | | 201 | 2 | 10 |
| 武蔵野市 | | | | | 107 | 155 | 171 | | 168 | | | 127 | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | 738 | 0 | 0 |
| 東村山市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | | 30 | 0 | 0 |
| **東京都** | 457 | 1,061 | 1,379 | 1,854 | 1,577 | 1,903 | 2,571 | 13 | 2,346 | 380 | 0 | 3,246 | 1,350 | 4 | 3,057 | 6,962 | 28 | 3,578 | 868 | 2 | 4,728 | 3,224 | 6 | 5,864 | 1,452 | 255 | 6,609 | 1,983 | 615 | 5,292 | 1,325 | 372 | 4,739 | 1,520 | 274 | 3,066 | 918 | 123 | 53,327 | 19,995 | 1,679 |
| **北海道** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 函館市 | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | | 0 | 7 | 0 |
| **宮城県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 宮城県流域下水道 | | | | | | | | | | | | | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 23 | 0 |
| 仙台市 | | | | | | | | | 9 | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | 12 | 0 | 0 |
| 大和町 | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 0 | 0 | 2 |
| **秋田県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 秋田市 | | | | | | | | | | | | | | 28 | | | | | | | | | | | | 7 | | | 10 | | | | | | | | | | 0 | 0 | 45 |
| **青森県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 六ヶ所村 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 4 | | 30 | 6 | | 20 | 2 | | 32 | 12 | 0 | 98 |
| **山形県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 上山市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | 0 | 0 | 3 |
| 山形市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 58 | 12 | 0 | 58 | 12 |
| 酒田市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 0 | 0 | 10 |
| **北海道・東北** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 23 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 7 | 7 | 0 | 0 | 29 | 4 | 0 | 30 | 6 | 0 | 20 | 2 | 58 | 54 | 24 | 88 | 170 |
| **神奈川** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 横浜市 | | | 6 | | 16 | 23 | 35 | | 13 | | | | 14 | | | 1 | 2 | | | 22 | 44 | 2 | | 7 | | 6 | | | | | | | | 1 | 40 | | | 2 | 144 | 18 | 72 |
| 川崎市 | | | | | | | | | | | | | | | | | | 52 | | 320 | 3 | | 226 | 10 | 3 | 119 | 101 | | 72 | 5 | | 56 | 76 | | 10 | 11 | | 19 | 258 | 3 | 822 |
| 伊勢原市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 8 | | 3 | | | 23 | | | 52 | 8 | 0 |
| 小田原市 | | | | | | | | | | | | | | | | | 32 | | | 18 | | | | | | 62 | | 1 | 30 | | | 34 | | | 36 | | | 51 | 0 | 1 | 263 |
| 鎌倉市 | | | | | | | | | | | | 13 | 42 | | 93 | 20 | 12 | 17 | 12 | | 34 | 28 | 14 | | | | | | | 26 | 25 | | 12 | 13 | | 8 | 10 | | 203 | 150 | 26 |
| 茅ヶ崎市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | | | | 9 | 0 | 0 |
| 秦野市 | | | | | | | | | | | | 51 | | | 63 | | | 26 | | | 21 | | | 38 | | | 6 | | | 11 | | | 48 | | | 127 | | | 391 | 0 | 0 |
| 藤沢市 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | 8 | 1 | 1 | 8 |
| 横須賀市 | | | | | | | | | | | | | | | | | | | | 60 | | | 34 | | | 108 | | | 46 | 14 | | 68 | 13 | | 32 | 16 | | 2 | 43 | 0 | 350 |
| 海老名市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | 8 | 0 | 0 |
| 寒川町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | 21 | | | | | | | | 0 | 31 | 0 |
| 箱根町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | 10 | | | | | | | 0 | 0 | 16 |
| **千葉県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 千葉市 | | | | | | | | | | | | | | | | | | | | | | | | 95 | | 198 | 86 | | 97 | | | 43 | | | 62 | | | 2 | 181 | 0 | 402 |
| 我孫子市 | | | | | | | | | | | | | | | | 9 | | | 38 | | | | | | 31 | | | | | | 10 | | 8 | | | | 23 | | 8 | 111 | 0 |
| 浦安市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 5 | | | 6 | 0 | 0 |
| 船橋市 | | | | | | | | | | | | | | | | 20 | | | 24 | | | 24 | | 4 | 12 | | 6 | | 122 | | | | | | | | | 58 | 10 | 80 | 180 |
| 市川市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | 6 | | 24 | 6 | 0 |
| **関東(1)小計** | 0 | 0 | 6 | 0 | 16 | 23 | 35 | 0 | 13 | 0 | 0 | 64 | 56 | 0 | 156 | 50 | 46 | 95 | 74 | 420 | 103 | 54 | 274 | 154 | 46 | 493 | 199 | 12 | 373 | 83 | 64 | 211 | 169 | 14 | 180 | 222 | 39 | 142 | 1,338 | 409 | 2,139 |

# 非開削による地震対策3工法の年度別施工実績（耐震化人孔数／管口数）

【凡例】**G工法**：既設人孔耐震化工法（ガリガリ君）／**F工法**：フロートレス工法（マンホール浮上抑制工法）／**T工法**：更生管マンホール接続部耐震化工法（耐震一発くん）

*<2ページ>埼玉県～新潟県【関東・甲信越合計】*

【凡例】G工法 F工法 T工法 各都市の工法別着手年度（G／F工法：人孔数、T工法：管口数）

| 施工年度 | 平成13 | 平成14 | 平成15 | 平成16 | 平成17 | 平成18 | 平成19 | | 平成20 | | | 平成21 | | | 平成22 | | | 平成23 | | | 平成24 | | | 平成25 | | | 平成26 | | | 平成27 | | | 平成28 | | | 平成29 | | | 平成29年度末（累計） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 地区／工法名 | G工法 | | | | | | | F工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 |
| **埼玉県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| さいたま市 | | | | | | | 12 | | | | | | | | | | | | | | | | | | | | 9 | | | 2 | 13 | 257 | 24 | | 86 | 1 | 2 | 360 | 48 | 15 | 703 |
| 川口市 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 | 0 | 0 |
| 川越市 | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | 0 | 5 | 0 |
| 越谷市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | 0 | 10 | 0 |
| 嵐山町 | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | 6 | 0 | 0 |
| 春日部市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 45 | | 29 | 45 | 0 |
| **茨城県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 牛久市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | 12 | | | 2 | 0 | 0 | 18 |
| 日立市 | | | | | | | | | | | | | | | | | | | | | | 11 | | | | | | 8 | | | | | | | | | 7 | | 0 | 26 | 0 |
| 東海村 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | 0 | 0 | 8 |
| **栃木県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 那須塩原市 | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | 5 | 0 | 0 |
| **群馬県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 前橋市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 0 | 0 | 8 |
| **関東(2)小計** | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 11 | 0 | 11 | 5 | 0 | 9 | 8 | 0 | 2 | 13 | 269 | 24 | 10 | 98 | 30 | 54 | 370 | 90 | 101 | 737 |
| **関東6県合計** | 0 | 0 | 6 | 0 | 16 | 23 | 47 | 0 | 13 | 0 | 0 | 64 | 56 | 0 | 156 | 50 | 46 | 97 | 74 | 420 | 103 | 65 | 274 | 165 | 51 | 493 | 208 | 20 | 373 | 85 | 77 | 480 | 193 | 24 | 278 | 252 | 93 | 512 | 1,428 | 510 | 2,876 |
| **山梨県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 山梨県流域下水道 | | | | | | | | | 28 | | | 94 | | | 94 | | | 60 | | | 89 | | | 237 | | | 110 | | | 53 | | | 30 | | | 126 | | | 921 | 0 | 0 |
| 甲府市 | | | | | | | | | | | | | | | | | | | | | | | | | | | 28 | | | | | | | | | | | | 28 | 0 | 0 |
| 甲斐市 | | | | | | | | | | | | | | | 10 | | | 15 | | | 16 | | | 11 | | | | | | 17 | | | 10 | | | | | | 79 | 0 | 0 |
| 中央市 | | | | | | | | | | | | | | | | | | | 15 | | | 14 | | | | | | | | | | | | | | | | | 0 | 29 | 0 |
| 韮崎市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | 15 | 0 | 0 |
| 笛吹市 | | | | | | | | | | | | | | | | | | | 17 | | | | | 8 | 13 | | 11 | 14 | | | | | 3 | 2 | | 22 | | | 44 | 46 | 0 |
| 富士吉田市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | | 3 | | | | | | 10 | 0 | 0 |
| 富士川町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 7 | | 11 | | | 9 | 17 | | 34 | 24 | 0 |
| 忍野村 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | 2 | | | 5 | 0 | 0 |
| 山中湖村 | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | | | | | | | | | | | | 88 | 0 | 0 |
| **長野県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 長野県流域下水道 | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | 0 | 6 | 0 |
| 長野市 | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | 4 | 110 | | | 58 | | 8 | | 4 | 12 | 168 |
| 飯田市 | | | | | | | 6 | | 28 | | | 28 | | | 3 | | 66 | 5 | | 80 | 3 | | 56 | 10 | | 108 | | | 108 | | | 88 | 6 | | 73 | 14 | | 90 | 103 | 0 | 669 |
| 上田市 | | | | | | | | | | | | | | | | | 30 | | | | | | 81 | | | | | | | | | | | | | | | | 0 | 0 | 111 |
| 岡谷市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | | 3 | 30 | | 3 | | | 8 | | | 14 | 53 | 0 |
| 諏訪市 | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | 18 | 2 | | 7 | 14 | | 3 | 9 | | 28 | 29 | 0 |
| 松本市 | | | | | | | | | | | | | | | | | | | 18 | | | | | | 35 | | | | | | | | | | | | | | 0 | 53 | 0 |
| 下諏訪町 | | | | | | | | | 6 | | | | | | | | | | | | | | | | | | 9 | 8 | | 22 | 22 | | 32 | 32 | | 34 | 35 | | 103 | 97 | 0 |
| 塩尻市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | | | 92 | 0 | 0 |
| **新潟県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 新潟県流域下水道 | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | | | 27 | 0 | 0 |
| 新潟市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | | | | | 1 | | | 29 | | 0 | 46 | 0 |
| 魚沼市 | | | | | | | | | | | | | | | 16 | | | | | | 34 | | | 76 | | | | | | | | | | | | | | | 126 | 0 | 0 |
| 五泉市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 | 0 | 0 |
| 十日町市 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 2 |
| 南魚沼市 | | | | | | | | | | | | | | | 19 | | | 7 | | | 10 | | | 7 | | | 22 | | | | | | | | | | | | 65 | 0 | 0 |
| 甲信越小計 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 66 | 0 | 2 | 122 | 0 | 0 | 142 | 4 | 96 | 87 | 50 | 80 | 152 | 20 | 137 | 349 | 48 | 108 | 295 | 61 | 108 | 152 | 65 | 198 | 107 | 49 | 131 | 310 | 98 | 90 | 1,788 | 395 | 950 |
| 関東・甲信越合計 | 0 | 0 | 6 | 0 | 16 | 23 | 53 | 0 | 79 | 0 | 2 | 186 | 56 | 0 | 298 | 54 | 142 | 184 | 124 | 500 | 255 | 85 | 411 | 514 | 99 | 601 | 503 | 81 | 481 | 237 | 142 | 678 | 300 | 73 | 409 | 562 | 191 | 602 | 3,216 | 905 | 3,826 |

# 非開削による地震対策3工法の年度別施工実績（耐震化人孔数／管口数）

【凡例】**G工法**：既設人孔耐震化工法（ガリガリ君）／**F工法**：フロートレス工法（マンホール浮上抑制工法）／**T工法**：更生管マンホール接続部耐震化工法（耐震一発くん）

*<3ページ>静岡県～富山県【東海・北陸合計】*

【凡例】**G工法 F工法 T工法 各都市の工法別着手年度（G／F工法：人孔数、T工法：管口数）**

| 施工年度 | 平成13 | 平成14 | 平成15 | 平成16 | | | 平成17 | 平成18 | 平成19 | | | 平成20 | | | 平成21 | | | 平成22 | | | 平成23 | | | 平成24 | | | 平成25 | | | 平成26 | | | 平成27 | | | 平成28 | | | 平成29 | | | 平成29年度末（累計） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 地区／工法名 | G工法 | | | | | | | | F工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 |
| **静岡県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 静岡市 | | | | | | | | | | 94 | 13 | | | 2 | | 81 | 64 | 20 | 196 | 92 | 40 | 282 | 98 | 100 | 113 | | 2 | 123 | | 22 | 46 | | 133 | 26 | | 4 | 52 | | 61 | 1,013 | 269 | 382 |
| 伊東市 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 0 | 0 | 2 |
| 御前崎市 | | | | | | | | | | | | | | | | 11 | 35 | | 28 | 4 | | 45 | 16 | | 16 | 27 | | 20 | 17 | | 20 | 35 | | | | | | | | | | | 140 | 134 | 0 |
| 沼津市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | 0 | 5 | 0 |
| 浜松市 | | | | | | | | | | 3 | | | | 35 | | | 19 | | 8 | 23 | | | | | | | | | | | | | | | | | | 3 | | | | | 11 | 80 | 0 |
| 富士市 | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | 6 | | | | | | | 25 | | | | | | | | 11 | 25 | 0 |
| 清水町 | | | | | | | | | | | | | | | | 8 | 8 | | 10 | 18 | | 12 | 24 | | 11 | 5 | | | 1 | | 17 | 18 | | 1 | 8 | | | | | | | | 59 | 82 | 0 |
| 長泉町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | 3 | | | 3 | | | | | | | | | 9 | 0 | 0 |
| 吉田町 | | | | | | | | | | | | | | | | 2 | 3 | | 16 | | | | | | | | | 11 | 1 | | 5 | | | | | | | | | | | | 34 | 4 | 0 |
| **愛知県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 名古屋市 | | | | | | | | | | 40 | | | 23 | | | 19 | | | 2 | | | | | | | 31 | | | 3 | | | 3 | | 41 | 33 | | 87 | 11 | | 212 | 81 | 0 |
| 犬山市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | | | 97 | | | 65 | | | 50 | | | 282 | 0 | 0 |
| 岡崎市 | | | | | | | | | | | | | | | | 8 | 9 | | | 28 | | | 38 | | | 31 | | | 51 | | | | | | 15 | | | 30 | | 8 | 202 | 0 |
| 春日井市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | 6 | 0 | 0 |
| 刈谷市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 12 | | | 5 | | | 3 | | | 26 | | 3 | 46 | 0 |
| 知多市 | | | | | | | | | | | | | | | | | | | | | | | 42 | | | 22 | | | 30 | | | 28 | | | | | | | | 0 | 122 | 0 |
| 東海市 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | | | | | | 19 | | | | | | 26 | | 0 | 68 | 0 |
| 豊橋市 | | | | 90 | 129 | 154 | 112 | | 28 | | | 31 | | | | | | | | | | | | | 13 | | | | 19 | | 30 | | 1 | | | | | | | 587 | 19 | 1 |
| 東郷町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 36 | | | | | 0 | 36 | 0 |
| **岐阜県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 大垣市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 0 | 2 | 0 |
| 羽島市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | 9 | | | 5 | | | 5 | | 0 | 29 | 0 |
| 瑞浪市 | | | | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 4 | 0 | 0 |
| 御嵩町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | | | | | | | 0 | 0 | 12 |
| **三重県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 三重県流域下水道 | | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | 0 | 6 | 0 |
| 津市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | 0 | 0 | 2 |
| 松阪市 | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | | 11 | 1 | | 14 | | | | | | | | | 43 | 19 | 0 |
| 川越町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | | 8 | | | 15 | | | 23 | 35 | 0 |
| 東員町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | | | | 24 | | | 5 | | | 51 | 0 | 0 |
| 伊勢市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | 0 | 21 | 0 |
| **東海小計** | 0 | 0 | 0 | 90 | 129 | 154 | 112 | 0 | 165 | 13 | 0 | 61 | 37 | 0 | 131 | 138 | 20 | 260 | 165 | 40 | 339 | 224 | 100 | 171 | 157 | 4 | 275 | 145 | 22 | 232 | 154 | 148 | 168 | 130 | 4 | 209 | 122 | 61 | 2,496 | 1,285 | 399 |
| **石川県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 石川県流域下水道 | | | | | | | | | | | | | | | | | | | | | | | 20 | | | 5 | | | | | | | | | | | | | | 0 | 25 | 0 |
| 金沢市 | | | | | | | | | | | | | 13 | | | 5 | 18 | | 97 | | | 159 | 19 | | 41 | 12 | | 42 | 12 | | 50 | 36 | | 52 | 76 | | 68 | 69 | | 527 | 242 | 0 |
| 小松市 | | | | | | | | | | | | | | | | | | | | | | | | | 75 | 59 | | | 38 | | | | | 19 | | | | | | 94 | 97 | 0 |
| 野々市市 | | | | | | | | | | | | | | | | | | | | | | 45 | | | | | | 24 | | | 35 | | | 25 | | | 39 | | | 168 | 0 | 0 |
| 能美市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | 3 | | 0 | 13 | 0 |
| 羽咋市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | 52 | | 0 | 62 | 0 |
| 白山市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 11 | | | | | | 6 | | 2 | 17 | 0 |
| 穴水町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | 12 | | | | | 0 | 20 | 0 |
| 津幡町 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | 10 | | 9 | 37 | | 20 | 47 | 0 |
| **富山県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 富山市 | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | 14 | | 3 | 30 | | | | | | | | 3 | 49 | 0 |
| 射水市 | | | | | | | | | | | | | | | | 2 | | 2 | 3 | | 4 | 1 | | 15 | | | 5 | | | | | | | | | 2 | | | | 6 | 0 | 28 |
| **北陸小計** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 7 | 18 | 2 | 100 | 5 | 4 | 205 | 39 | 15 | 116 | 76 | 5 | 66 | 64 | 0 | 90 | 105 | 0 | 107 | 98 | 2 | 116 | 167 | 0 | 820 | 572 | 28 |
| **東 海・北 陸合計** | 0 | 0 | 0 | 90 | 129 | 154 | 112 | 0 | 165 | 13 | 0 | 74 | 37 | 0 | 138 | 156 | 22 | 360 | 170 | 44 | 544 | 263 | 115 | 287 | 233 | 9 | 341 | 209 | 22 | 322 | 259 | 148 | 275 | 228 | 6 | 325 | 289 | 61 | 3,316 | 1,857 | 427 |

# 非開削による地震対策3工法の年度別施工実績（耐震化人孔数／管口数）

【凡例】**G工法**：既設人孔耐震化工法（ガリガリ君）／**F工法**：フロートレス工法（マンホール浮上抑制工法）／**T工法**：更生管マンホール接続部耐震化工法（耐震一発くん）

*＜4ページ＞滋賀県～沖縄県【総合計】*

【凡例】**G工法** **F工法** **T工法** **各都市の工法別着手年度（G／F工法：人孔数、T工法：管口数）**

| 施工年度 | 平成13 | 平成14 | 平成15 | 平成16 | 平成17 | 平成18 | 平成19 | | 平成20 | | | 平成21 | | | 平成22 | | | 平成23 | | | 平成24 | | | 平成25 | | | 平成26 | | | 平成27 | | | 平成28 | | | 平成29 | | | 平成29年度末（累計） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 地区／工法名 | G工法 | | | | | | | F工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 | G工法 | F工法 | T工法 |
| **滋賀県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 大津市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | | 22 | | | | | | | | 0 | 44 | 0 |
| 彦根市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | | 16 | | | | | 0 | 27 | 0 |
| 米原市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | 0 | 15 | 0 |
| **大阪府** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 堺市 | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | 0 | 3 | 0 |
| **京都府** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 京都市 | | | | | | | | | | | | | | | | | | | | 44 | | | | 2 | | | | | | | | | | | | | | | 2 | 0 | 44 |
| 八幡市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | | 3 | | 0 | 23 | 0 |
| **兵庫県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 神戸市 | | | | | | | | | | | | | | 28 | | | 6 | | | 6 | | | | | | | | | | | | | | | | | | | 0 | 0 | 40 |
| 尼崎市 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 0 | 1 | 0 |
| **奈良県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 香芝市 | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | 0 | 5 | 0 |
| 斑鳩町 | | | | | | | | | | | | | | | | | | | | | 42 | | | | | | | | | | | | | | | | | | 42 | 0 | 0 |
| 三郷町 | | | | | | | | | | | | 18 | | | | | | 32 | | | | | | | | | | | | | | | | | | | | | 50 | 0 | 0 |
| 河合町 | | | | | | | | | | | | | | | | | | | | | | | 58 | | | 40 | | | | | | | | | | | | | 0 | 0 | 98 |
| 三宅町 | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 0 | 0 |
| **和歌山県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 和歌山市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 0 | 1 | 0 |
| **近畿地区** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 28 | 0 | 0 | 6 | 32 | 3 | 50 | 42 | 5 | 58 | 2 | 1 | 40 | 0 | 22 | 0 | 0 | 33 | 0 | 0 | 52 | 0 | 0 | 3 | 0 | 109 | 119 | 182 |
| **島根県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 島根県流域下水道 | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | | | | | | | | | | 14 | 0 | 0 |
| **岡山県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 岡山市 | | | | | | | | | | | | | | | | | | | | | 52 | | | | 38 | | | | | | | | | | | | | | 52 | 38 | 0 |
| **広島県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 東広島市 | | | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 0 | 0 |
| 福山市 | | | | | | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | 15 | 0 | 0 |
| **中国地区** | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 15 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 38 | 0 |
| **徳島県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 吉野川市 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | | 13 | | | 4 | | | | | | 26 | 0 | 0 |
| **愛媛県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 八幡浜市 | | | | | | | | | 14 | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | 17 | 0 | 0 |
| **四国地区** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 13 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | 0 |
| **西日本合計** | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 33 | 0 | 28 | 0 | 0 | 6 | 35 | 3 | 50 | 108 | 5 | 58 | 17 | 39 | 40 | 9 | 22 | 0 | 13 | 33 | 0 | 4 | 52 | 0 | 0 | 3 | 0 | 284 | 157 | 182 |
| **熊本県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 熊本県流域下水道 | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | | | 0 | 8 | 0 |
| **宮崎県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 宮崎市 | | | | | | | | | | | | | | | | | | | | | | | | | 150 | | | | | | 20 | | | 8 | | | 5 | | 0 | 183 | 0 |
| **鹿児島県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 指宿市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 0 | 1 | 0 |
| **沖縄県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 那覇市 | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | 14 | | 0 | 18 | 0 |
| **福岡県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 八女市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 0 | 2 | 0 |
| **佐賀県** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 |
| 佐賀市 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | | 0 | 16 | 0 |
| **九州・沖縄** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 154 | 0 | 0 | 1 | 0 | 0 | 20 | 0 | 0 | 8 | 0 | 0 | 37 | 0 | 0 | 228 | 0 |
| 日本自動車ターミナル | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | 0 | 2 | 0 |
| オリエンタルランド | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | | | 7 | | | | | | | | | 28 | 0 | 0 |
| 豊橋技術科学大学 | | | | | | | | | | | | | | | | | | | | | | | | | | 70 | | | | | | | | | | | | | 0 | 0 | 70 |
| 都市再生機構 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | 0 | 0 |
| **民間** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 21 | 2 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 29 | 2 | 70 |
| 合計 | 457 | 1,061 | 1,436 | 1,944 | 1,722 | 2,080 | 2,736 | 13 | 2,613 | 393 | 2 | 3,539 | 1,466 | 60 | 3,493 | 7,172 | 198 | 4,157 | 1,165 | 596 | 5,635 | 3,585 | 592 | 6,685 | 1,984 | 982 | 7,483 | 2,298 | 1,147 | 5,875 | 1,779 | 1,228 | 5,325 | 1,881 | 709 | 3,955 | 1,496 | 840 | 60,196 | 23,232 | 6,354 |
| 累計 | 457 | 1,518 | 2,954 | 4,898 | 6,620 | 8,700 | 11,436 | 13 | 14,049 | 406 | 2 | 17,588 | 1,872 | 62 | 21,081 | 9,044 | 260 | 25,238 | 10,209 | 856 | 30,873 | 13,794 | 1,448 | 37,558 | 15,778 | 2,430 | 45,041 | 18,076 | 3,577 | 50,916 | 19,855 | 4,805 | 56,241 | 21,736 | 5,514 | 60,196 | 23,232 | 6,354 | | | |
| *施工都市数* | *1* | *1* | *3* | *2* | *5* | *5* | *7* | *1* | *14* | *2* | *1* | *17* | *6* | *3* | *25* | *14* | *9* | *28* | *15* | *10* | *29* | *17* | *11* | *31* | *24* | *13* | *33* | *27* | *13* | *37* | *31* | *17* | *37* | *26* | *18* | *30* | *31* | *16* | *88* | *79* | *38* |
| *新規採用都市数* | *1* | *1* | *2* | *1* | *2* | *0* | *2* | *1* | *8* | *1* | *1* | *10* | *4* | *3* | *12* | *9* | *8* | *3* | *6* | *3* | *6* | *7* | *3* | *9* | *13* | *2* | *9* | *11* | *5* | *11* | *11* | *7* | *6* | *6* | *3* | *5* | *6* | *2* | | | |

*※施工都市・新規採用都市は民間を除いた数です。*