

### *Territory of Alternative No. 1 route*

**Table 1. Swamps**

| Name             | Index    | Genesis         | Peat | Reclamation | Forests | Area, ha | Distance to the route, m | Railway section, km |
|------------------|----------|-----------------|------|-------------|---------|----------|--------------------------|---------------------|
|                  | b IV     | Peaty drop in   | -    | -           | -       | 12750,89 | 0 (crosses)              | 0,0 - 1,0           |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 11434,34 | 375                      | 0,0 - 1,0           |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 20355,68 | 456                      | 11,0 - 12,0         |
| Karmėlavos pelkė | b IV (n) | Untypable swamp | -    | +           | +       | 78315,89 | 44                       | 18,0 - 19,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 11867,65 | 0 (crosses)              | 34,0 - 35,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 9904,48  | 0 (crosses)              | 36,0 - 37,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 14894,69 | 550                      | 37,0 - 38,0         |
|                  | b IV (ž) | Fens            | -    | +           | -       | 2329,41  | 868                      | 47,0 - 48,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 7439,09  | 133                      | 48,0 - 49,0         |
|                  | b IV     | Peaty drop in   | -    | -           | -       | 26495,6  | 418                      | 53,0 - 54,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 29199,31 | 0 (crosses)              | 54,0 - 55,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 24,15    | 984                      | 56,0 - 57,0         |
|                  | b IV     | Peaty drop in   | -    | +           | +       | 34930,75 | 498                      | 66,0 - 67,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 259,71   | 949                      | 69,0 - 70,0         |
|                  | b IV     | Peaty drop in   | -    | +           | -       | 33106,42 | 157                      | 70,0 - 71,0         |
|                  | b IV     | Peaty drop in   | -    | +           | +       | 13621,55 | 291                      | 73,0 - 74,0         |
|                  | b IV     | Peaty drop in   | -    | -           | -       | 7337,62  | 217                      | 73,0 - 74,0         |
|                  | b IV     | Peaty drop in   | -    | +           | +       | 45832,99 | 285                      | 74,0 - 75,0         |
|                  | b IV     | Peaty drop in   | -    | +           | +       | 5738,4   | 588                      | 74,0 - 75,0         |

| Name             | Index    | Genesis       | Peat | Reclamation | Forests | Area, ha  | Distance to the route, m | Railway section, km |
|------------------|----------|---------------|------|-------------|---------|-----------|--------------------------|---------------------|
|                  | b IV     | Peaty drop in | -    | +           | +       | 40770,17  | 0 (crosses)              | 75,0 - 76,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 12280,08  | 483                      | 77,0 - 78,0         |
|                  | b IV     | Peaty drop in | -    | +           | +       | 56617,93  | 341                      | 78,0 - 79,0         |
| Džiugailių pelkė | b IV (ž) | Fens          | -    | +           | -       | 4990,38   | 885                      | 83,0 - 84,0         |
|                  | b IV (ž) | Fens          | -    | +           | -       | 380766,09 | 0 (crosses)              | 86,0 - 87,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 21123,75  | 202                      | 91,0 - 92,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 10029,71  | 0 (crosses)              | 92,0 - 93,0         |
|                  | b IV     | Peaty drop in | -    | -           | -       | 6528,43   | 422                      | 93,0 - 94,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 17526,21  | 380                      | 95,0 - 96,0         |
|                  | b IV     | Peaty drop in | -    | +           | +       | 42257,62  | 294                      | 96,0 - 97,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 51331,03  | 0 (crosses)              | 96,0 - 97,0         |
|                  | b IV     | Peaty drop in | -    | +           | +       | 45899,76  | 0 (crosses)              | 97,0 - 98,0         |
|                  | b IV     | Peaty drop in | -    | +           | +       | 31537,15  | 261                      | 98,0 - 99,0         |
|                  | b IV     | Peaty drop in | -    | +           | -       | 4207,8    | 0 (crosses)              | 99,0 - 100,0        |
|                  | b IV     | Peaty drop in | -    | +           | +       | 4687,41   | 779                      | 99,0 - 100,0        |
|                  | b IV     | Peaty drop in | -    | +           | +       | 8604,04   | 129                      | 100,0 - 101,0       |
|                  | b IV     | Peaty drop in | -    | +           | -       | 9204,25   | 268                      | 101,0 - 102,0       |
|                  | b IV     | Peaty drop in | -    | +           | +       | 7695,25   | 592                      | 101,0 - 102,0       |
|                  | b IV (ž) | Fens          | -    | +           | +       | 113035,43 | 0 (crosses)              | 103,0 - 104,0       |
|                  | b IV     | Peaty drop in | -    | +           | +       | 620,26    | 908                      | 104,0 - 105,0       |
|                  | b IV (ž) | Fens          | -    | +           | -       | 6802,82   | 882                      | 105,0 - 106,0       |
|                  | b IV     | Peaty drop in | -    | +           | -       | 53714,44  | 0 (crosses)              | 108,0 - 109,0       |
|                  | b IV     | Peaty drop in | -    | -           | -       | 7443,79   | 692                      | 113,0 - 114,0       |

| Name              | Index    | Genesis         | Peat | Reclamation | Forests | Area, ha  | Distance to the route, m | Railway section, km |
|-------------------|----------|-----------------|------|-------------|---------|-----------|--------------------------|---------------------|
|                   | b IV     | Peaty drop in   | -    | +           | +       | 9131,36   | 838                      | 117,0 - 118,0       |
|                   | b IV (n) | Untypable swamp | -    | -           | +       | 723,65    | 144                      | 117,0 - 118,0       |
|                   | b IV     | Peaty drop in   | -    | +           | +       | 7494,23   | 334                      | 117,0 - 118,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 34440,21  | 446                      | 118,0 - 119,0       |
|                   | b IV (n) | Untypable swamp | -    | -           | +       | 3107,1    | 892                      | 119,0 - 120,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 25816,92  | 9 (crosses)              | 119,0 - 120,0       |
|                   | b IV     | Peaty drop in   | -    | +           | +       | 1593,06   | 355                      | 119,0 - 120,0       |
|                   | b IV     | Peaty drop in   | -    | +           | +       | 78883,78  | 325                      | 120,0 - 121,0       |
|                   | b IV     | Peaty drop in   | -    | +           | +       | 92430,18  | 0 (crosses)              | 121,0 - 122,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 17360,26  | 664                      | 122,0 - 123,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 48835,45  | 108                      | 124,0 - 125,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 51997,73  | 92                       | 126,0 - 127,0       |
| Skaistgirių pelkė | b IV (a) | Bog             | -    | +           | +       | 6751,38   | 861                      | 126,0 - 127,0       |
| Užubalių pelkė    | b IV (ž) | Fens            | -    | +           | +       | 18890,36  | 802                      | 128,0 - 129,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 317,67    | 932                      | 131,0 - 132,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 109519,17 | 412                      | 132,0 - 133,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 771,97    | 797                      | 134,0 - 135,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 27587,94  | 0 (crosses)              | 135,0 - 136,0       |
|                   | b IV     | Peaty drop in   | -    | +           | -       | 53355,6   | 82                       | 143,0 - 144,0       |



Part of the railway line in need of reconstruction



Part of the planned railway line

### Territory of Alternative No. 2 route

Table 2. Swamps

| Pavadinimas      | Indeksas | Genezė          | Durpinga | Melioruota | Miškinga | Plotas, ha | Atstumas iki trasos, m | Trasos atkarpa, km |
|------------------|----------|-----------------|----------|------------|----------|------------|------------------------|--------------------|
|                  | b IV     | Peaty drop in   | -        | -          | -        | 12750,89   | 0 (crosses)            | 0,0 - 1,0          |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 11434,34   | 375                    | 0,0 - 1,0          |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 20355,68   | 456                    | 11,0 - 12,0        |
| Karmėlavos pelkė | b IV (n) | Untypable swamp | -        | +          | +        | 78315,89   | 44                     | 18,0 - 19,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 11867,65   | 0 (crosses)            | 34,0 - 35,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 9904,48    | 0 (crosses)            | 36,0 - 37,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 14894,69   | 550                    | 37,0 - 38,0        |
|                  | b IV (b) | Fens            | -        | +          | -        | 2329,41    | 868                    | 47,0 - 48,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 7439,09    | 133                    | 48,0 - 49,0        |
|                  | b IV     | Peaty drop in   | -        | -          | -        | 26495,6    | 418                    | 53,0 - 54,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 29199,31   | 0 (crosses)            | 54,0 - 55,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 24,15      | 984                    | 56,0 - 57,0        |
|                  | b IV     | Peaty drop in   | -        | +          | +        | 34930,75   | 498                    | 66,0 - 67,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 259,71     | 949                    | 69,0 - 70,0        |
|                  | b IV     | Peaty drop in   | -        | +          | -        | 33106,42   | 157                    | 70,0 - 71,0        |
|                  | b IV     | Peaty drop in   | -        | +          | +        | 13621,55   | 291                    | 73,0 - 74,0        |
|                  | b IV     | Peaty drop in   | -        | -          | -        | 7337,62    | 217                    | 73,0 - 74,0        |
|                  | b IV     | Peaty drop in   | -        | +          | +        | 45832,99   | 285                    | 74,0 - 75,0        |
|                  | b IV     | Peaty drop in   | -        | +          | +        | 5738,4     | 588                    | 74,0 - 75,0        |

| Pavadinimas      | Indeksas | Genezė        | Durpinga | Melioruota | Miškinga | Plotas, ha | Atstumas iki trasos, m | Trasos atkarpa, km |
|------------------|----------|---------------|----------|------------|----------|------------|------------------------|--------------------|
|                  | b IV     | Peaty drop in | -        | +          | +        | 40770,17   | 0 (crosses)            | 75,0 - 76,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 12280,08   | 483                    | 77,0 - 78,0        |
|                  | b IV     | Peaty drop in | -        | +          | +        | 56617,93   | 341                    | 78,0 - 79,0        |
| Džiūgailių pelkė | b IV (p) | Fens          | -        | +          | -        | 4990,38    | 885                    | 83,0 - 84,0        |
|                  | b IV (p) | Fens          | -        | +          | -        | 380766,09  | 0 (crosses)            | 86,0 - 87,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 21123,75   | 202                    | 91,0 - 92,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 10029,71   | 0 (crosses)            | 92,0 - 93,0        |
|                  | b IV     | Peaty drop in | -        | -          | -        | 6528,43    | 422                    | 93,0 - 94,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 17526,21   | 380                    | 95,0 - 96,0        |
|                  | b IV     | Peaty drop in | -        | +          | +        | 42257,62   | 294                    | 96,0 - 97,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 51331,03   | 0 (crosses)            | 96,0 - 97,0        |
|                  | b IV     | Peaty drop in | -        | +          | +        | 45899,76   | 0 (crosses)            | 97,0 - 98,0        |
|                  | b IV     | Peaty drop in | -        | +          | +        | 31537,15   | 261                    | 98,0 - 99,0        |
|                  | b IV     | Peaty drop in | -        | +          | -        | 4207,8     | 0 (crosses)            | 99,0 - 100,0       |
|                  | b IV     | Peaty drop in | -        | +          | +        | 4687,41    | 779                    | 99,0 - 100,0       |
|                  | b IV     | Peaty drop in | -        | +          | +        | 8604,04    | 129                    | 100,0 - 101,0      |
|                  | b IV     | Peaty drop in | -        | +          | -        | 9204,25    | 268                    | 101,0 - 102,0      |
|                  | b IV     | Peaty drop in | -        | +          | +        | 7695,25    | 592                    | 101,0 - 102,0      |
|                  | b IV (p) | Fens          | -        | +          | +        | 113035,43  | 0 (crosses)            | 103,0 - 104,0      |
|                  | b IV     | Peaty drop in | -        | +          | +        | 620,26     | 908                    | 104,0 - 105,0      |
|                  | b IV (p) | Fens          | -        | +          | -        | 6802,82    | 882                    | 105,0 - 106,0      |
|                  | b IV     | Peaty drop in | -        | +          | -        | 53714,44   | 0 (crosses)            | 108,0 - 109,0      |
|                  | b IV     | Peaty drop in | -        | -          | -        | 7443,79    | 692                    | 113,0 - 114,0      |

| Pavadinimas       | Indeksas | Genezė          | Durpinga | Melioruota | Miškinga | Plotas, ha | Atstumas iki trasos, m | Trasos atkarpa, km |
|-------------------|----------|-----------------|----------|------------|----------|------------|------------------------|--------------------|
|                   | b IV     | Peaty drop in   | -        | +          | +        | 9131,36    | 838                    | 117,0 - 118,0      |
|                   | b IV (n) | Untypable swamp | -        | -          | +        | 723,65     | 144                    | 117,0 - 118,0      |
|                   | b IV     | Peaty drop in   | -        | +          | +        | 7494,23    | 334                    | 117,0 - 118,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 34440,21   | 446                    | 118,0 - 119,0      |
|                   | b IV (n) | Untypable swamp | -        | -          | +        | 3107,1     | 892                    | 119,0 - 120,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 25816,92   | 9 (crosses)            | 119,0 - 120,0      |
|                   | b IV     | Peaty drop in   | -        | +          | +        | 1593,06    | 355                    | 119,0 - 120,0      |
|                   | b IV     | Peaty drop in   | -        | +          | +        | 78883,78   | 325                    | 120,0 - 121,0      |
|                   | b IV     | Peaty drop in   | -        | +          | +        | 92430,18   | 0 (crosses)            | 121,0 - 122,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 17360,26   | 664                    | 122,0 - 123,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 48835,45   | 108                    | 124,0 - 125,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 51997,73   | 92                     | 126,0 - 127,0      |
| Skaistgirių pelkė | b IV (a) | Bog             | -        | +          | +        | 6751,38    | 861                    | 126,0 - 127,0      |
| Užubalių pelkė    | b IV (b) | Fens            | -        | +          | +        | 18890,36   | 802                    | 128,0 - 129,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 317,67     | 932                    | 131,0 - 132,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 109519,17  | 412                    | 132,0 - 133,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 771,97     | 797                    | 134,0 - 135,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 27587,94   | 0 (crosses)            | 135,0 - 136,0      |
|                   | b IV     | Peaty drop in   | -        | +          | -        | 53355,6    | 82                     | 143,0 - 144,0      |



Part of the railway line in need of reconstruction



Part of the planned railway line



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Vytėnų g. 9/25, LT-03113 Vilnius,  
Lietuva