

# ANEXO 5

# CIV 5007879 - PG1

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 166.95               | 0.35            | 1.00                           | 499.9990      | <input checked="" type="checkbox"/> |
| 3         | 97.00                | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4      | 5      | 6      | 7      |
|------------|--------|--------|--------|--------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0  | 1200.0 | 1500.0 | 1800.0 |
| Defln, mc  | 678.81 | 388.03 | 181.08 | 97.25  | 71.38  | 55.57  | 48.39  |
| Calc, mc   | 701.88 | 326.63 | 175.94 | 122.91 | 92.88  | 73.78  | 60.86  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 635.0025

Plate Radius, mm: 150, Plate Load, KN: 40

Function RMS, mc: 29.1222, Iteration Number: 45 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E., %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 166.95             | 0.35      | 1.00      | 500.00        | Yes         |
| 3     | 97.00              | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
 Plate Radius = 150.00 mm  
 Plate Load = 40 kN  
 ISM = 59 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 679 | 388 | 181 | 97  | 71    | 56    | 48    |
| Calc Defl, mc | 702 | 327 | 176 | 123 | 93    | 74    | 61    |

Function RMS, mc = 29.1222  
 Number of Iterations = 45

## CIV 5004239 - PG2

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 125.33               | 0.35            | 1.00                           | 499.9990      | <input checked="" type="checkbox"/> |
| 3         | 118.02               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

☐ Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4      | 5      | 6      | 7      |
|------------|--------|--------|--------|--------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0  | 1200.0 | 1500.0 | 1800.0 |
| Defin, mc  | 762.39 | 400.03 | 166.47 | 76.73  | 47.78  | 35.23  | 22.68  |
| Calc, mc   | 787.10 | 338.63 | 153.68 | 100.73 | 74.75  | 59.20  | 48.96  |

Iteration Tolerance: 0.0001  
 Evaluation Depth, mm: 635.0025  
 Plate Radius, mm: 150  
 Plate Load, kN: 40  
 Function RMS, mc: 31.8748  
 Iteration Number: 74 (Done)

Loaded Deflection, mc: 796.80  
 Unloaded Deflection, mc:   
 Calculated J.T.E, %:

FAA Backcalculation and LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 125.33             | 0.35      | 1.00      | 500.00        | Yes         |
| 3     | 118.02             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
 Plate Radius = 150.00 mm  
 Plate Load = 40 kN  
 ISM = 52 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 762 | 400 | 166 | 77  | 48    | 35    | 23    |
| Calc Defl, mc | 787 | 339 | 154 | 101 | 75    | 59    | 49    |

Function RMS, mc = 31.8748  
 Number of Iterations = 74

# CIV 5007251 - PR1

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 344.60               | 0.35            | 1.00                           | 149.9997      | <input checked="" type="checkbox"/> |
| 3         | 109.61               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4      | 5      | 6      | 7      |
|------------|--------|--------|--------|--------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0  | 1200.0 | 1500.0 | 1800.0 |
| Defln, mc  | 608.89 | 350.37 | 183.14 | 78.07  | 53.01  | 36.14  | 27.47  |
| Calc, mc   | 615.40 | 321.40 | 169.15 | 108.34 | 78.93  | 62.28  | 51.62  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 635.0025

Plate Radius, mm: 150, Plate Load, kN: 40

Function RMS, mc: 23.7014, Iteration Number: 8 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E, %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 344.60             | 0.35      | 1.00      | 150.00        | Yes         |
| 3     | 109.61             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
Plate Radius = 150.00 mm  
Plate Load = 40 kN  
ISM = 66 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 609 | 350 | 183 | 78  | 53    | 36    | 27    |
| Calc Defl, mc | 615 | 321 | 169 | 108 | 79    | 62    | 52    |

Function RMS, mc = 23.7014  
Number of Iterations = 8

## CIV 5007295 - PR2

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 641.30               | 0.35            | 1.00                           | 149.9997      | <input checked="" type="checkbox"/> |
| 3         | 131.71               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4     | 5      | 6      | 7      |
|------------|--------|--------|--------|-------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0 | 1200.0 | 1500.0 | 1800.0 |
| Defln, mc  | 454.52 | 261.36 | 149.41 | 82.90 | 64.17  | 44.50  | 32.79  |
| Calc, mc   | 455.85 | 255.81 | 142.84 | 91.91 | 66.39  | 52.05  | 43.01  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 635.0025

Plate Radius, mm: 150, Plate Load, KN: 40

Function RMS, mc: 6.7947, Iteration Number: 15 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E, %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 641.30             | 0.35      | 1.00      | 150.00        | Yes         |
| 3     | 131.71             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
Plate Radius = 150.00 mm  
Plate Load = 40 kN  
ISM = 88 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 455 | 261 | 149 | 83  | 64    | 45    | 33    |
| Calc Defl, mc | 456 | 256 | 143 | 92  | 66    | 52    | 43    |

Function RMS, mc = 6.7947  
Number of Iterations = 15

# CIV 5007321 - PR3

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 515.72               | 0.35            | 1.00                           | 149.9997      | <input checked="" type="checkbox"/> |
| 3         | 130.81               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4     | 5      | 6      | 7      |
|------------|--------|--------|--------|-------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0 | 1200.0 | 1500.0 | 1800.0 |
| Defln, mc  | 483.00 | 296.47 | 151.78 | 60.05 | 43.02  | 26.95  | 21.27  |
| Calc, mc   | 489.60 | 263.30 | 142.84 | 91.63 | 66.46  | 52.28  | 43.28  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 300

Plate Radius, mm: 150, Plate Load, KN: 40

Function RMS, mc: 23.5931, Iteration Number: 8 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E., %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 515.72             | 0.35      | 1.00      | 150.00        | Yes         |
| 3     | 130.81             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
Plate Radius = 150.00 mm  
Plate Load = 40 kN  
ISM = 83 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 483 | 296 | 152 | 60  | 43    | 27    | 21    |
| Calc Defl, mc | 490 | 263 | 143 | 92  | 66    | 52    | 43    |

Function RMS, mc = 23.5931  
Number of Iterations = 8

## CIV 5003992 - PGr1

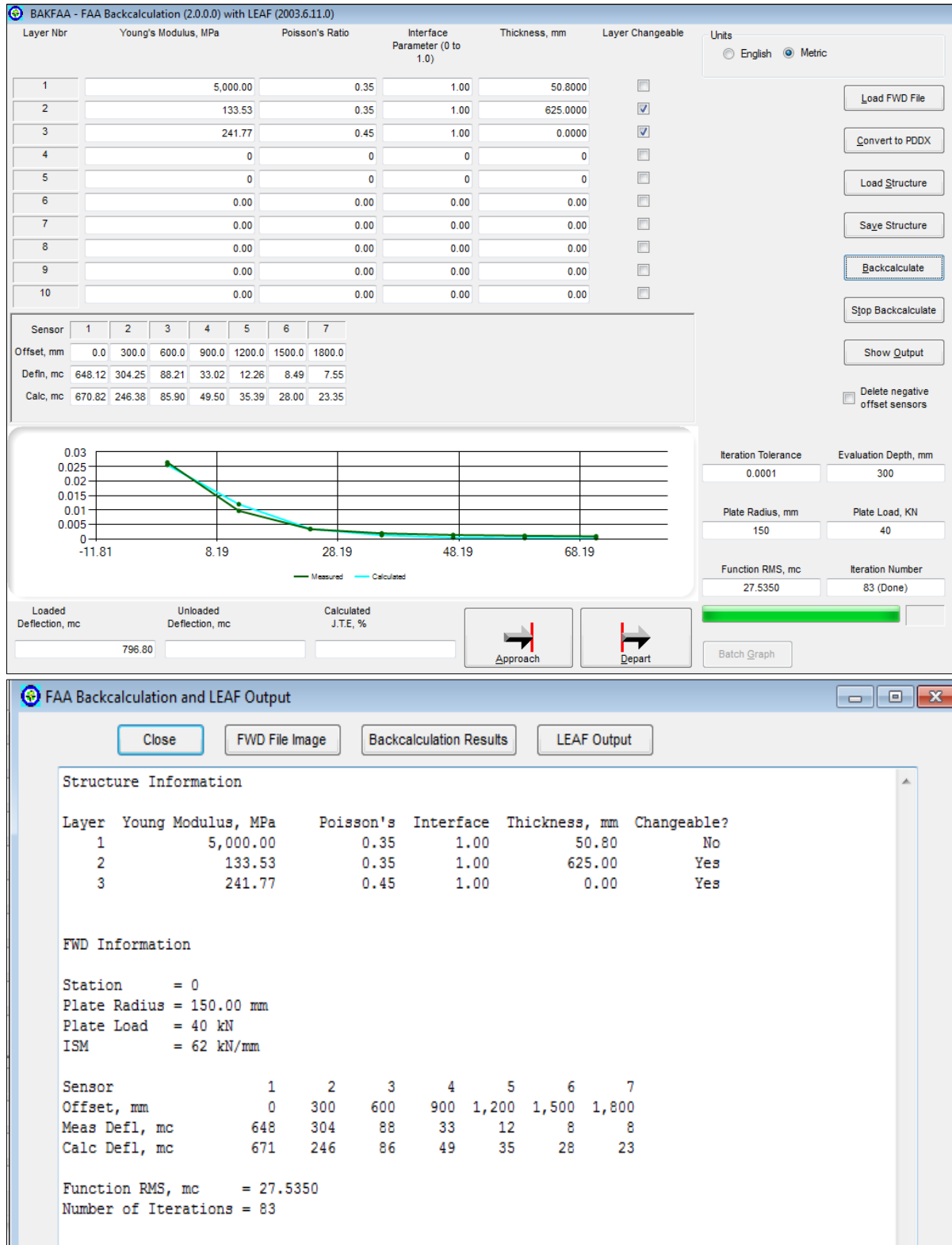


Imagen 1 Retrocálculo programa BAKFAA – PGr1

Fuente: Autor.

## CIV 5004075 - PGr2

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 114.51               | 0.35            | 1.00                           | 625.0000      | <input checked="" type="checkbox"/> |
| 3         | 170.04               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4     | 5      | 6      | 7      |
|------------|--------|--------|--------|-------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0 | 1200.0 | 1500.0 | 1800.0 |
| Defln, mc  | 754.47 | 371.07 | 124.98 | 56.94 | 24.13  | 14.93  | 11.09  |
| Calc, mc   | 780.47 | 309.45 | 117.37 | 70.55 | 51.09  | 40.37  | 33.52  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 300

Plate Radius, mm: 150, Plate Load, kN: 40

Function RMS, mc: 30.6898, Iteration Number: 48 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E., %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 114.51             | 0.35      | 1.00      | 625.00        | Yes         |
| 3     | 170.04             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
Plate Radius = 150.00 mm  
Plate Load = 40 kN  
ISM = 53 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 754 | 371 | 125 | 57  | 24    | 15    | 11    |
| Calc Defl, mc | 780 | 309 | 117 | 71  | 51    | 40    | 34    |

Function RMS, mc = 30.6898  
Number of Iterations = 48

# CIV 5003929 - PGr3

BAKFAA - FAA Backcalculation (2.0.0.0) with LEAF (2003.6.11.0)

| Layer Nbr | Young's Modulus, MPa | Poisson's Ratio | Interface Parameter (0 to 1.0) | Thickness, mm | Layer Changeable                    |
|-----------|----------------------|-----------------|--------------------------------|---------------|-------------------------------------|
| 1         | 5,000.00             | 0.35            | 1.00                           | 50.8000       | <input type="checkbox"/>            |
| 2         | 97.49                | 0.35            | 1.00                           | 625.0000      | <input checked="" type="checkbox"/> |
| 3         | 154.78               | 0.45            | 1.00                           | 0.0000        | <input checked="" type="checkbox"/> |
| 4         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 5         | 0                    | 0               | 0                              | 0             | <input type="checkbox"/>            |
| 6         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 7         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 8         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 9         | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |
| 10        | 0.00                 | 0.00            | 0.00                           | 0.00          | <input type="checkbox"/>            |

Units: ☐ English ☒ Metric

Buttons: Load FWD File, Convert to PDDX, Load Structure, Save Structure, Backcalculate, Stop Backcalculate, Show Output, Delete negative offset sensors

| Sensor     | 1      | 2      | 3      | 4     | 5      | 6      | 7      |
|------------|--------|--------|--------|-------|--------|--------|--------|
| Offset, mm | 0.0    | 300.0  | 600.0  | 900.0 | 1200.0 | 1500.0 | 1800.0 |
| Defin, mc  | 853.55 | 413.54 | 137.85 | 54.17 | 42.08  | 26.12  | 19.35  |
| Calc, mc   | 878.30 | 357.06 | 131.72 | 77.40 | 55.80  | 44.11  | 36.68  |

Iteration Tolerance: 0.0001, Evaluation Depth, mm: 300

Plate Radius, mm: 150, Plate Load, KN: 40

Function RMS, mc: 27.2338, Iteration Number: 51 (Done)

Loaded Deflection, mc: 796.80, Unloaded Deflection, mc: , Calculated J.T.E., %:

Buttons: Approach, Depart, Batch Graph

FAA Backcalculation and LEAF Output

Buttons: Close, FWD File Image, Backcalculation Results, LEAF Output

Structure Information

| Layer | Young Modulus, MPa | Poisson's | Interface | Thickness, mm | Changeable? |
|-------|--------------------|-----------|-----------|---------------|-------------|
| 1     | 5,000.00           | 0.35      | 1.00      | 50.80         | No          |
| 2     | 97.49              | 0.35      | 1.00      | 625.00        | Yes         |
| 3     | 154.78             | 0.45      | 1.00      | 0.00          | Yes         |

FWD Information

Station = 0  
Plate Radius = 150.00 mm  
Plate Load = 40 kN  
ISM = 47 kN/mm

| Sensor        | 1   | 2   | 3   | 4   | 5     | 6     | 7     |
|---------------|-----|-----|-----|-----|-------|-------|-------|
| Offset, mm    | 0   | 300 | 600 | 900 | 1,200 | 1,500 | 1,800 |
| Meas Defl, mc | 854 | 414 | 138 | 54  | 42    | 26    | 19    |
| Calc Defl, mc | 878 | 357 | 132 | 77  | 56    | 44    | 37    |

Function RMS, mc = 27.2338  
Number of Iterations = 51