## CURRENT STANDARD BRIDGE RAIL PROPERTIES

| Rail Type | Weight – plf | CG from traffic face – inches |
|---|---|---|
| 42" Single Slope Concrete Parapet | 518 | 9.80 |
| 42" 3-Tube Curb Mount Rail & Curb | 232 | 7.48 |
| 42" Combination Rail & Parapet | 385 | 6.75 |
| 42" Pedestrian Rail & Curb | 95 | 5.00 |
| 42" Single Slope Median Parapet | 700 | 12.00 |

## OLD STANDARD BRIDGE RAIL PROPERTIES

| Rail Type | Weight – plf | CG from traffic face – inches |
|---|---|---|
| 2'-9¾" Concrete Parapet w/9"Ø Void | 368 | 11.75 |
| 2'-9¾" Concrete Parapet w/o Void | 435 | 11.375 |
| 42" Concrete Parapet | 413 | 10.97 |
| 5x9 Channel top/bottom Rail w/2x2x¼ angle pickets & 2'-4"x9" Curb | 292 | 14.83 |
| 2-Tube Aluminum Rail & 6" Curb | 112 | 6.75 |
| 3-Tube Aluminum Rail & 6" Curb | 117 | 6.50 |
| Combination Pedestrian Rail & Parapet NCHRP 350  TL-3 | 265 | 4.50 |
| Combination Rail w/Protective Fence NCHRP 350  TL-3 | 296 | 3.83 |
| G-2-F Rail Retrofit Type 1 | 31 | 7.09 |
| G-2-F Rail Retrofit Type 2 | 35 | 7.61 |
| G-2-F Rail Retrofit Type 4 | 14 | 4.63 |
| Delaware Rail Retrofit | 25 | 5.67 |
| Iowa Concrete Parapet Retrofit | 262 | 8.00 |
| 32" Concrete Parapet | 312 | 10.08 |
| 32" 2-Tube Curb Mount Rail & Curb | 183 | 8.19 |
| 32" Median Parapet | 408 | 12.00 |

**Revisions:**

| | |
|---|---|
| July 2009 | Deleted Combination Bicycle Rail |
| | Deleted Bicycle Rail |
| | Deleted G-2-F Type 3 |
| | Changed weight of Pedestrian Rail from 96 plf to 102 plf |
| | Changed weight of G-2-F Type 4 from 13 plf to 20 plf |
| | Added Delaware Retrofit weight |
| | Added Iowa Retrofit weight |
| | Added Old Bridge Rail Table |
| July 2010 | Added CG from traffic face to both tables |
| August 2016 | Added 42" Concrete parapet |
| March 2018 | Added 42" Single Slope Concrete Parapet |
| Nov 2019 | Moved Rail Retrofit Types 1-4, Delaware Retrofit, and Iowa Retrofit to "Old Standard Drawings" Table. |
| May 2021 | Moved 42" Concrete Parapet, Combination Rail (NCHRP 350 TL-3), and Combination Rail with fence to "Old Standard Drawings" Table. |
| | Added 3-Tube Curb Mount Rail, Combination Rail (MASH TL-4), and 42" Single Slope Median Barrier to Current Standard Rail Properties Table. |
| Oct 2023 | Moved 32" Concrete Parapet, 32" 2-Tube Curb Mount Rail, and 32" Median Barrier from Current Standard Properties to Old Standard Properties. |