**I-75**

**Parameters of “Freeway (free lane selection)” Driving Behaviors in the VISSIM networks**

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|  | Parameters | Benchmark (default values) | Traditional calibration (weight = 0) | Hybrid (weight = 0. 5) | Trajectory based calibration (weight = 1) |
| Car following | Wiedemann 99 CC1 (s) | 0.9 | 0.8 | 0.8 | 0.8 |
| Wiedemann 99 CC4 | -0.35 | -0.35 | -0.25 | -0.25 |
| Wiedemann 99 CC5 | 0.35 | 0.35 | 0.25 | 0.25 |
| Lane changing | Necessary lane change: -1 ft/s2 per distance (ft) | 200 | 100 | 200 | 200 |
| Necessary lane change: Accepted deceleration for Trailing Vehicle (ft/s2) | -1.64 | -1.64 | -1.64 | -1.64 |
| Safety distance reduction factor | 0.6 | 0.6 | 0.4 | 0.4 |