

Inbound Framingham/Worcester Line EMU times per Alon Levy, infill stations omitted, full high platforms at all stations

| km | station | time from prev (s) | station time (s) | total time (s) | time with 7% pad | minute | current P512 | savings |
|------|------------------|---|------------------|----------------|------------------|--------|--------------|---------|
| 71.3 | Worcester Union | | | 0 | | | | |
| 68.8 | Biotech Park | 103 | 55 | 158 | 169.06 | 3 | infill | infill |
| 58.7 | Grafton | 276 | 72 | 506 | 541.42 | 10 | 13 | 3 |
| 51.5 | Westborough | 166 | 75 | 747 | 799.29 | 14 | 17 | 3 |
| 44.2 | Southborough | 172 | 68 | 987 | 1056.09 | 18 | 26 | 8 |
| 39.0 | Ashland | 144 | 65 | 1196 | 1279.72 | 22 | 30 | 8 |
| 34.3 | Framingham | 131 | 67 | 1394 | 1491.58 | 25 | 41 | 16 |
| 32.1 | West Natick | 57 | 68 | 1519 | 1625.33 | 28 | 46 | 18 |
| 28.5 | Natick Center | 93 | 68 | 1680 | 1797.6 | 30 | 51 | 21 |
| 23.8 | Wellesley Square | 121 | 63 | 1864 | 1994.48 | 34 | 56 | 22 |
| 21.8 | Wellesley Hills | 66 | 58 | 1988 | 2127.16 | 36 | 60 | 24 |
| 20.3 | Wellesley Farms | 49 | 64 | 2101 | 2248.07 | 38 | 63 | 25 |
| 16.9 | Auburndale | 88 | 67 | 2256 | 2413.92 | 41 | 68 | 27 |
| 15.2 | West Newton | 47 | 65 | 2368 | 2533.76 | 43 | 71 | 28 |
| 13.3 | Newtonville | 53 | 65 | 2486 | 2660.02 | 45 | 74 | 29 |
| 7.5 | Boston Landing | 175 | 55 | 2716 | 2906.12 | 49 | 79 | 30 |
| 6.2 | West Station | 47 | 55 | 2818 | 3015.26 | 51 | infill | infill |
| 4.0 | Yawkey | 80 | 55 | 2953 | 3159.71 | 53 | 84 | 31 |
| 2.1 | Back Bay | 99 | 55 | 3107 | 3324.49 | 56 | 89 | 33 |
| 0 | South Station | 98 | 0 | 3205 | 3429.35 | 58 | 94 | 36 |
| | | 25s dwell at each stop; remaining time is acceleration penalty if I understand Alon correctly | | | | | | |

Simulated passenger loading, 4 tph, all local trains, based on 2012 CTPS boardings

| | X360 | X375 | X390 | X405 | X420 | X435 | X450 | X465 | X480 | X495 | X510 | X525 | X540 | X555 | X570 | X585 | X600 | X615 | X630 | X645 | X660 | X675 | X690 | X705 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Departure | 5:02 | 5:17 | 5:32 | 5:47 | 6:02 | 6:17 | 6:32 | 6:47 | 7:02 | 7:17 | 7:32 | 7:47 | 8:02 | 8:17 | 8:32 | 8:47 | 9:02 | 9:17 | 9:32 | 9:47 | 10:02 | 10:17 | 10:32 | 10:47 |
| Worcester Union | 0 | 4 | 12 | 11 | 52 | 61 | 55 | 34 | 67 | 80 | 76 | 76 | 51 | 43 | 44 | 34 | 13 | 14 | 14 | 14 | 14 | 13 | 14 | 56 |
| Grafton | 0 | 5 | 15 | 15 | 73 | 87 | 80 | 50 | 94 | 122 | 121 | 122 | 73 | 60 | 58 | 46 | 17 | 17 | 17 | 17 | 17 | 17 | 18 | 62 |
| Westborough | 0 | 7 | 21 | 21 | 106 | 126 | 111 | 66 | 125 | 180 | 180 | 182 | 104 | 83 | 82 | 62 | 19 | 19 | 20 | 19 | 20 | 19 | 20 | 71 |
| Southborough | 0 | 9 | 28 | 27 | 135 | 161 | 140 | 79 | 161 | 226 | 225 | 228 | 131 | 105 | 103 | 78 | 23 | 22 | 22 | 23 | 22 | 22 | 23 | 81 |
| Ashland | 0 | 10 | 32 | 31 | 166 | 198 | 173 | 99 | 208 | 287 | 280 | 283 | 156 | 120 | 120 | 89 | 24 | 24 | 24 | 24 | 24 | 24 | 25 | 84 |
| Framingham | 0 | 13 | 42 | 41 | 208 | 249 | 223 | 150 | 304 | 373 | 356 | 370 | 194 | 143 | 149 | 111 | 29 | 29 | 30 | 30 | 30 | 29 | 30 | 108 |
| West Natick | 0 | 17 | 57 | 57 | 257 | 309 | 285 | 211 | 394 | 436 | 408 | 460 | 228 | 160 | 172 | 128 | 36 | 36 | 36 | 36 | 37 | 36 | 36 | 133 |
| Natick Center | 0 | 19 | 64 | 63 | 263 | 314 | 303 | 259 | 462 | 492 | 457 | 543 | 266 | 180 | 184 | 137 | 39 | 39 | 39 | 39 | 40 | 39 | 39 | 155 |
| Wellesley Square | 0 | 20 | 68 | 68 | 269 | 318 | 321 | 324 | 506 | 523 | 490 | 615 | 305 | 201 | 199 | 148 | 41 | 40 | 41 | 41 | 42 | 41 | 41 | 172 |
| Wellesley Hills | 0 | 21 | 72 | 71 | 272 | 320 | 331 | 349 | 527 | 541 | 505 | 644 | 319 | 208 | 205 | 153 | 41 | 41 | 41 | 41 | 42 | 41 | 41 | 174 |
| Wellesley Farms | 0 | 22 | 74 | 73 | 275 | 321 | 341 | 376 | 553 | 569 | 533 | 685 | 345 | 227 | 216 | 160 | 42 | 41 | 43 | 42 | 43 | 42 | 42 | 179 |
| Auburndale | 0 | 23 | 77 | 75 | 277 | 324 | 349 | 399 | 569 | 582 | 546 | 700 | 361 | 244 | 217 | 161 | 43 | 42 | 44 | 43 | 43 | 42 | 43 | 180 |
| West Newton | 0 | 23 | 77 | 75 | 278 | 324 | 355 | 417 | 582 | 594 | 556 | 717 | 382 | 265 | 219 | 163 | 45 | 44 | 45 | 45 | 46 | 44 | 45 | 184 |
| Newtonville | 0 | 24 | 83 | 82 | 283 | 330 | 366 | 445 | 602 | 606 | 570 | 739 | 410 | 293 | 222 | 165 | 47 | 48 | 47 | 47 | 48 | 47 | 48 | 189 |
| Yawkey | 0 | 24 | 83 | 82 | 283 | 330 | 366 | 445 | 602 | 606 | 570 | 739 | 410 | 293 | 222 | 165 | 47 | 48 | 47 | 47 | 48 | 47 | 48 | 189 |
| Back Bay | 0 | 24 | 83 | 82 | 283 | 330 | 366 | 445 | 602 | 606 | 570 | 739 | 410 | 293 | 222 | 165 | 47 | 48 | 47 | 47 | 48 | 47 | 48 | 189 |
| Arrival | 6:00 | 6:15 | 6:30 | 6:45 | 7:00 | 7:15 | 7:30 | 7:45 | 8:00 | 8:15 | 8:30 | 8:45 | 9:00 | 9:15 | 9:30 | 9:45 | 10:00 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 | 11:30 | 11:45 |
| Units required | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Equipment required for 4tph all-local all-day service, assumes 8 minute turnaround possible at BOS

| Train | from | departs | to | arrives | length | equipment | notes |
|-------|------|---------|-----|---------|--------|----------------|--|
| Y304 | BOS | 5:04 | WUS | 6:02 | 2 | M013+M014 | stored at Southampton St. |
| X311 | FRA | 4:38 | BOS | 5:11 | 3 | M016+M017+M018 | stored at Framingham |
| Y319 | BOS | 5:19 | WUS | 6:17 | 3 | M016+M017+M018 | 5:11 from Framingham; long 75 min turnaround at Worcester |
| X326 | FRA | 4:53 | BOS | 5:26 | 3 | M019+M020+M021 | stored at Framingham |
| Y334 | BOS | 5:34 | WUS | 6:32 | 3 | M019+M020+M021 | 5:26 from Framingham; long 45 min turnaround at Worcester |
| X341 | FRA | 5:08 | BOS | 5:41 | 3 | M022+M023+M024 | stored at Framingham |
| Y349 | BOS | 5:49 | WUS | 6:47 | 3 | M022+M023+M024 | 5:41 from Framingham |
| X360 | WUS | 5:02 | BOS | 6:00 | 1 | M001 | stored at Worcester |
| Y368 | BOS | 6:08 | WUS | 7:06 | 1 | M001 | 6:00 from Worcester |
| X375 | WUS | 5:17 | BOS | 6:15 | 1 | M002 | stored at Worcester |
| Y383 | BOS | 6:23 | WUS | 7:21 | 1 | M002 | 6:15 from Worcester |
| X390 | WUS | 5:32 | BOS | 6:30 | 1 | M003 | stored at Worcester |
| Y398 | BOS | 6:38 | WUS | 7:36 | 1 | M003 | 6:30 from Worcester |
| X405 | WUS | 5:47 | BOS | 6:45 | 1 | M004 | stored at Worcester |
| Y413 | BOS | 6:53 | WUS | 7:51 | 1 | M004 | 6:45 from Worcester |
| X420 | WUS | 6:02 | BOS | 7:00 | 2 | M005+M006 | stored at Worcester |
| Y428 | BOS | 7:08 | WUS | 8:06 | 2 | M005+M006 | 7:00 from Worcester |
| X435 | WUS | 6:17 | BOS | 7:15 | 2 | M013+M014 | 6:02 from Boston; 15 minute turnaround |
| Y443 | BOS | 7:23 | WUS | 8:21 | 2 | M013+M014 | 7:15 from Worcester |
| X450 | WUS | 6:32 | BOS | 7:30 | 2 | M007+M008 | stored at Worcester |
| Y458 | BOS | 7:38 | FRA | 8:11 | 2 | M007+M008 | 7:30 from Worcester; stored midday at Framingham |
| X465 | WUS | 6:47 | BOS | 7:45 | 2 | M009+M010 | stored at Worcester |
| Y473 | BOS | 7:53 | WUS | 8:51 | 2 | M009+M010 | 7:45 from Worcester |
| X480 | WUS | 7:02 | BOS | 8:00 | 3 | M022+M023+M024 | 6:47 from Boston; 15-minute turnaround; stored midday at Southampton |
| Y488 | BOS | 8:08 | WUS | 9:06 | 1 | M015 | from Southampton |
| X495 | WUS | 7:17 | BOS | 8:15 | 3 | M019+M020+M021 | 6:32 from Boston; 45-minute turnaround |
| Y503 | BOS | 8:23 | WUS | 9:21 | 3 | M019+M020+M021 | 8:15 from Worcester |
| X510 | WUS | 7:32 | BOS | 8:30 | 3 | M016+M017+M018 | 6:17 from Boston; 75-minute turnaround |
| Y518 | BOS | 8:38 | FRA | 9:11 | 3 | M016+M017+M018 | 8:30 from Worcester; stored midday at Framingham |
| X525 | WUS | 7:47 | BOS | 8:45 | 3 | M001+M002+M003 | crush load; 7:06, 7:21, and 7:36 arrivals from Boston, assembled on platform |
| Y533 | BOS | 8:53 | WUS | 9:51 | 3 | M001+M002+M003 | 8:45 from Worcester |
| X540 | WUS | 8:02 | BOS | 9:00 | 2 | M011+M012 | stored at Worcester |
| Y548 | BOS | 9:08 | FRA | 9:41 | 2 | M011+M012 | 9:00 from Worcester, stored midday at Framingham |
| X555 | WUS | 8:17 | BOS | 9:15 | 2 | M005+M006 | 8:06 from Boston; 11-minute turnaround |
| Y563 | BOS | 9:23 | FRA | 9:56 | 2 | M005+M006 | 9:15 from Worcester, stored midday at Framingham |
| X570 | WUS | 8:32 | BOS | 9:30 | 1 | M004 | 7:51 from Boston; 41-minute turnaround |
| Y578 | BOS | 9:38 | FRA | 10:11 | 1 | M004 | 9:30 from Worcester, stored midday at Framingham |
| X585 | WUS | 8:47 | BOS | 9:45 | 1 | M013 | 8:21 from Boston, break consist on platform; 26-minute turnaround |
| Y593 | BOS | 9:53 | WUS | 10:51 | 1 | M013 | 9:45 from Worcester |
| X600 | WUS | 9:02 | BOS | 10:00 | 1 | M014 | 8:21 from Boston; 41-minute turnaround |

| Train | from | departs | to | arrives | length | equipment | notes |
|-------|------|---------|-----|---------|--------|-----------|---|
| Y608 | BOS | 10:08 | WUS | 11:06 | 1 | M014 | 10:00 from Worcester |
| X615 | WUS | 9:17 | BOS | 10:15 | 1 | M009 | 8:51 from Boston, break consist on platform; 26-minute turnaround |
| Y623 | BOS | 10:23 | WUS | 11:21 | 1 | M009 | 10:15 from Worcester |
| X630 | WUS | 9:32 | BOS | 10:30 | 1 | M010 | 8:51 from Boston; 41-minute turnaround |
| Y638 | BOS | 10:38 | WUS | 11:36 | 1 | M010 | 10:30 from Worcester |
| X645 | WUS | 9:47 | BOS | 10:45 | 1 | M019 | 9:21 from Boston, break consist on platform; 26-minute turnaround |
| Y653 | BOS | 10:53 | WUS | 11:51 | 1 | M019 | 10:45 from Worcester |
| X660 | WUS | 10:02 | BOS | 11:00 | 1 | M020 | 9:21 from Boston; 41-minute turnaround |
| Y668 | BOS | 11:08 | WUS | 12:06 | 1 | M020 | 11:00 from Worcester |
| X675 | WUS | 10:17 | BOS | 11:15 | 1 | M021 | 9:21 from Boston; 56-minute turnaround |
| Y683 | BOS | 11:23 | WUS | 12:21 | 1 | M021 | 11:15 from Worcester |
| X690 | WUS | 10:32 | BOS | 11:30 | 1 | M001 | 9:51 from Boston, break consist on platform; 41-minute turnaround |
| Y698 | BOS | 11:38 | WUS | 12:36 | 1 | M001 | 11:30 from Worcester |
| X705 | WUS | 10:47 | BOS | 11:45 | 1 | M002 | 9:51 from Boston; 56-minute turnaround |
| Y713 | BOS | 11:53 | WUS | 12:51 | 1 | M002 | 11:45 from Worcester |
| X720 | WUS | 11:02 | BOS | 12:00 | 1 | M003 | 9:51 from Boston; 71-minute turnaround |
| Y728 | BOS | 12:08 | WUS | 13:06 | 1 | M003 | 12:00 from Worcester |
| X735 | WUS | 11:17 | BOS | 12:15 | 1 | M013 | 10:51 from Boston; 26-minute turnaround |
| Y743 | BOS | 12:23 | WUS | 13:21 | 1 | M013 | 12:15 from Worcester |
| X750 | WUS | 11:32 | BOS | 12:30 | 1 | M014 | 11:06 from Boston; 26-minute turnaround |
| Y758 | BOS | 12:38 | WUS | 13:36 | 1 | M014 | 12:30 from Worcester |
| X765 | WUS | 11:47 | BOS | 12:45 | 1 | M009 | 11:21 from Boston; 26-minute turnaround |
| Y773 | BOS | 12:53 | WUS | 13:51 | 1 | M009 | 12:45 from Worcester |
| X780 | WUS | 12:02 | BOS | 13:00 | 1 | M010 | 11:36 from Boston; 26-minute turnaround |
| Y788 | BOS | 13:08 | WUS | 14:06 | 1 | M010 | 13:00 from Worcester |
| X795 | WUS | 12:17 | BOS | 13:15 | 1 | M019 | 11:51 from Boston; 26-minute turnaround |
| Y803 | BOS | 13:23 | WUS | 14:21 | 1 | M019 | 13:15 from Worcester |
| X810 | WUS | 12:32 | BOS | 13:30 | 1 | M020 | 12:06 from Boston; 26-minute turnaround |
| Y818 | BOS | 13:38 | WUS | 14:36 | 1 | M020 | 13:30 from Worcester |
| X825 | WUS | 12:47 | BOS | 13:45 | 1 | M021 | 12:21 from Boston; 26-minute turnaround |
| Y833 | BOS | 13:53 | WUS | 14:51 | 1 | M021 | 13:45 from Worcester |
| X840 | WUS | 13:02 | BOS | 14:00 | 1 | M001 | 12:36 from Boston; 26-minute turnaround |
| Y848 | BOS | 14:08 | WUS | 15:06 | 1 | M001 | 14:00 from Worcester |
| X855 | WUS | 13:17 | BOS | 14:15 | 1 | M002 | 12:51 from Boston; 26-minute turnaround |
| Y863 | BOS | 14:23 | WUS | 15:21 | 1 | M002 | 14:15 from Worcester |
| | | | | | | | 24 units total: M001-M012 overnight Worcester; M013-M015 overnight Southampton St; M016-M014 overnight Framingham |
| | | | | | | | midday storage: 3 units (750') at Southampton St; 10 units (2500') at Framingham |

Simulated 90th %ile passenger loading, 6 tph, all local trains, based on 2012 CTPS boardings

| | X360 | X370 | X380 | X390 | X400 | X410 | X420 | X430 | X440 | X450 | X460 | X470 | X480 | X490 | X500 | X510 | X520 | X530 | X540 | X550 | X560 | X570 | X580 | X590 | X600 | X610 | X620 | X630 | X640 | X650 | X660 | X670 | X680 | X690 | X700 | X710 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Departure time | 5:02 | 5:12 | 5:22 | 5:32 | 5:42 | 5:52 | 6:02 | 6:12 | 6:22 | 6:32 | 6:42 | 6:52 | 7:02 | 7:12 | 7:22 | 7:32 | 7:42 | 7:52 | 8:02 | 8:12 | 8:22 | 8:32 | 8:42 | 8:52 | 9:02 | 9:12 | 9:22 | 9:32 | 9:42 | 9:52 | 10:02 | 10:12 | 10:22 | 10:32 | 10:42 | 10:52 |
| Worcester Union | 0 | 0 | 4 | 8 | 8 | 9 | 32 | 42 | 43 | 43 | 27 | 24 | 39 | 59 | 51 | 51 | 52 | 52 | 36 | 31 | 31 | 31 | 31 | 20 | 10 | 10 | 10 | 10 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 52 |
| Grafton | 0 | 0 | 5 | 11 | 11 | 11 | 46 | 60 | 61 | 60 | 39 | 35 | 56 | 83 | 83 | 82 | 81 | 82 | 54 | 42 | 42 | 41 | 42 | 27 | 12 | 13 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 12 | 57 |
| Westborough | 0 | 0 | 7 | 15 | 15 | 15 | 65 | 88 | 88 | 87 | 51 | 45 | 72 | 115 | 123 | 124 | 123 | 124 | 76 | 56 | 57 | 58 | 58 | 37 | 14 | 14 | 15 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 65 |
| Southborough | 0 | 0 | 9 | 19 | 20 | 20 | 84 | 112 | 113 | 110 | 61 | 54 | 92 | 149 | 153 | 155 | 152 | 155 | 96 | 72 | 73 | 73 | 71 | 45 | 15 | 17 | 17 | 16 | 16 | 15 | 16 | 16 | 16 | 16 | 16 | 74 |
| Ashland | 0 | 0 | 10 | 22 | 23 | 22 | 102 | 137 | 137 | 137 | 75 | 68 | 118 | 192 | 192 | 191 | 190 | 192 | 117 | 83 | 83 | 84 | 83 | 51 | 16 | 18 | 18 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 77 |
| Framingham | 0 | 0 | 13 | 29 | 30 | 30 | 129 | 170 | 171 | 171 | 111 | 102 | 171 | 268 | 243 | 241 | 242 | 253 | 145 | 98 | 98 | 103 | 103 | 62 | 21 | 21 | 21 | 21 | 21 | 20 | 21 | 21 | 21 | 21 | 21 | 98 |
| West Natick | 0 | 0 | 18 | 40 | 39 | 39 | 161 | 211 | 210 | 210 | 151 | 143 | 227 | 334 | 279 | 277 | 278 | 326 | 177 | 109 | 110 | 119 | 118 | 72 | 25 | 25 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 26 | 123 |
| Natick Center | 0 | 0 | 20 | 44 | 44 | 44 | 165 | 215 | 214 | 216 | 183 | 178 | 270 | 385 | 311 | 310 | 310 | 394 | 209 | 123 | 123 | 126 | 126 | 78 | 27 | 27 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 28 | 27 | 143 |
| Wellesley Square | 0 | 0 | 21 | 47 | 48 | 48 | 167 | 218 | 217 | 218 | 219 | 219 | 302 | 406 | 331 | 332 | 330 | 456 | 241 | 139 | 138 | 138 | 137 | 83 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 28 | 29 | 29 | 29 | 160 |
| Wellesley Hills | 0 | 0 | 21 | 49 | 50 | 49 | 169 | 220 | 219 | 219 | 237 | 237 | 317 | 419 | 343 | 342 | 341 | 482 | 251 | 144 | 142 | 141 | 141 | 85 | 29 | 29 | 30 | 29 | 29 | 28 | 28 | 29 | 29 | 29 | 29 | 162 |
| Wellesley Farms | 0 | 0 | 22 | 51 | 51 | 50 | 171 | 222 | 222 | 220 | 251 | 255 | 338 | 436 | 361 | 362 | 360 | 513 | 270 | 156 | 155 | 149 | 149 | 89 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | 30 | 29 | 29 | 166 |
| Auburndale | 0 | 0 | 23 | 53 | 53 | 53 | 173 | 223 | 223 | 222 | 265 | 271 | 349 | 444 | 369 | 370 | 369 | 523 | 280 | 167 | 167 | 149 | 149 | 89 | 30 | 30 | 31 | 30 | 30 | 30 | 29 | 30 | 31 | 30 | 30 | 167 |
| West Newton | 0 | 0 | 23 | 53 | 53 | 53 | 173 | 223 | 224 | 223 | 277 | 284 | 360 | 450 | 376 | 377 | 374 | 537 | 294 | 182 | 182 | 151 | 150 | 90 | 31 | 31 | 32 | 31 | 32 | 31 | 30 | 31 | 32 | 31 | 31 | 171 |
| Newtonville | 0 | 0 | 25 | 57 | 57 | 57 | 176 | 228 | 228 | 228 | 295 | 303 | 373 | 460 | 384 | 385 | 383 | 554 | 311 | 200 | 200 | 152 | 151 | 92 | 33 | 33 | 33 | 34 | 33 | 33 | 32 | 33 | 33 | 33 | 32 | 175 |
| Yawkey | 0 | 0 | 25 | 57 | 57 | 57 | 176 | 228 | 228 | 228 | 295 | 303 | 373 | 460 | 384 | 385 | 383 | 554 | 311 | 200 | 200 | 152 | 151 | 92 | 33 | 33 | 33 | 34 | 33 | 33 | 32 | 33 | 33 | 33 | 32 | 175 |
| Back Bay | 0 | 0 | 25 | 57 | 57 | 57 | 176 | 228 | 228 | 228 | 295 | 303 | 373 | 460 | 384 | 385 | 383 | 554 | 311 | 200 | 200 | 152 | 151 | 92 | 33 | 33 | 33 | 34 | 33 | 33 | 32 | 33 | 33 | 33 | 32 | 175 |
| Arrival time | 6:00 | 6:10 | 6:20 | 6:30 | 6:40 | 6:50 | 7:00 | 7:10 | 7:20 | 7:30 | 7:40 | 7:50 | 8:00 | 8:10 | 8:20 | 8:30 | 8:40 | 8:50 | 9:00 | 9:10 | 9:20 | 9:30 | 9:40 | 9:50 | 10:00 | 10:10 | 10:20 | 10:30 | 10:40 | 10:50 | 11:00 | 11:10 | 11:20 | 11:30 | 11:40 | 11:50 |
| units required | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Equipment required for 6tph all-local service in AM rush

| Train | from | departs | to | arrives | length | equipment | notes |
|-------|------|---------|-----|---------|--------|-----------|--|
| X360 | WUS | 5:02 | BOS | 6:00 | 1 | M001 | twelve trainsets stored in Worcester, M001-M012 |
| Y305 | BOS | 5:05 | WUS | 6:03 | 1 | M013 | fourteen trainsets stored in Boston, M013-M026 |
| X370 | WUS | 5:12 | BOS | 6:10 | 1 | M002 | |
| Y315 | BOS | 5:15 | WUS | 6:13 | 1 | M014 | |
| X380 | WUS | 5:22 | BOS | 6:20 | 1 | M003 | |
| Y325 | BOS | 5:25 | WUS | 6:23 | 1 | M015 | |
| X390 | WUS | 5:32 | BOS | 6:30 | 1 | M004 | |
| Y335 | BOS | 5:35 | WUS | 6:33 | 1 | M016 | |
| X400 | WUS | 5:42 | BOS | 6:40 | 1 | M005 | |
| Y345 | BOS | 5:45 | WUS | 6:43 | 1 | M017 | |
| X410 | WUS | 5:52 | BOS | 6:50 | 1 | M006 | |
| Y355 | BOS | 5:55 | WUS | 6:53 | 1 | M018 | |
| X420 | WUS | 6:02 | BOS | 7:00 | 1 | M007 | |
| Y365 | BOS | 6:05 | WUS | 7:03 | 1 | M019+M020 | prepositioning 2-trainset consist |
| X430 | WUS | 6:12 | BOS | 7:10 | 1 | M008 | |
| Y375 | BOS | 6:15 | WUS | 7:13 | 1 | M021+M022 | prepositioning 2-trainset consist |
| X440 | WUS | 6:22 | BOS | 7:20 | 1 | M013 | 6:03 arrival from BOS |
| Y385 | BOS | 6:25 | WUS | 7:23 | 1 | M023+M024 | prepositioning 2-trainset consist |
| X450 | WUS | 6:32 | BOS | 7:30 | 1 | M014 | 6:13 arrival from BOS |
| Y395 | BOS | 6:35 | WUS | 7:33 | 2 | M001+M002 | 6:00 and 6:10 arrivals from WUS |
| X460 | WUS | 6:42 | BOS | 7:40 | 2 | M009+M010 | |
| Y405 | BOS | 6:45 | WUS | 7:43 | 2 | M003+M004 | 6:20 and 6:30 arrivals from WUS |
| X470 | WUS | 6:52 | BOS | 7:50 | 2 | M011+M012 | |
| Y415 | BOS | 6:55 | WUS | 7:53 | 2 | M025+M026 | |
| X480 | WUS | 7:02 | BOS | 8:00 | 2 | M015+M016 | 6:23 and 6:33 arrivals from BOS |
| Y425 | BOS | 7:05 | WUS | 8:03 | 2 | M005+M006 | 6:40 and 6:50 arrivals from WUS |
| X490 | WUS | 7:12 | BOS | 8:10 | 2 | M017+M018 | 6:43 and 6:53 arrivals from BOS |
| Y435 | BOS | 7:15 | WUS | 8:13 | 1 | M007 | 7:00 arrival from WUS (too late to join WUS peak) |
| X500 | WUS | 7:22 | BOS | 8:20 | 2 | M019+M020 | 7:03 arrival from BOS |
| Y445 | BOS | 7:25 | WUS | 8:23 | 1 | M008 | 7:10 arrival from WUS |
| X510 | WUS | 7:32 | BOS | 8:30 | 2 | M021+M022 | 7:13 arrival from BOS |
| Y455 | BOS | 7:35 | WUS | 8:33 | 1 | M013 | 7:20 arrival from WUS |
| X520 | WUS | 7:42 | BOS | 8:40 | 2 | M023+M024 | 7:23 arrival from BOS |
| Y465 | BOS | 7:45 | WUS | 8:43 | 1 | M014 | 7:30 arrival from WUS |
| X530 | WUS | 7:52 | BOS | 8:50 | 2 | M001+M002 | 7:33 arrival from BOS; should be triple per new model |
| Y475 | BOS | 7:55 | WUS | 8:53 | 1 | M009 | 7:40 arrival from WUS, separated on platform |
| X540 | WUS | 8:02 | BOS | 9:00 | 2 | M003+M004 | 7:43 arrival from BOS |
| Y485 | BOS | 8:05 | WUS | 9:03 | 1 | M010 | 7:40 arrival from WUS, separated on platform; M011+M012 from 7:50 arrival to Southampton |
| X550 | WUS | 8:12 | BOS | 9:10 | 2 | M025+M026 | 7:53 arrival from BOS |

| Train | from | departs | to | arrives | length | equipment | notes |
|-------|------|---------|-----|---------|--------|-----------|--|
| Y495 | BOS | 8:15 | WUS | 9:13 | 1 | M015 | 8:00 arrival from WUS, separated on platform; M017+M018 from 8:10 arrival to Southampton |
| X560 | WUS | 8:22 | BOS | 9:20 | 1 | M006 | 8:03 arrival from BOS, separated on platform; M005 out of service on platform |
| Y505 | BOS | 8:25 | WUS | 9:23 | 1 | M016 | 8:00 arrival from WUS, separated on platform |
| X570 | WUS | 8:32 | BOS | 9:30 | 1 | M007 | 8:13 arrival from BOS |
| Y515 | BOS | 8:35 | WUS | 9:33 | 1 | M019 | 8:20 arrival from WUS, separated on platform |
| X580 | WUS | 8:42 | BOS | 9:40 | 1 | M008 | 8:23 arrival from BOS |
| Y525 | BOS | 8:45 | WUS | 9:43 | 1 | M020 | 8:20 arrival from WUS, separated on platform; M021+M022 from 8:30 arrival to Southampton |
| X590 | WUS | 8:52 | BOS | 9:50 | 1 | M013 | 8:33 arrival from BOS |
| Y535 | BOS | 8:55 | WUS | 9:53 | 1 | M023 | 8:40 arrival from WUS, separated on platform |
| X600 | WUS | 9:02 | BOS | 10:00 | 1 | M014 | 8:43 arrival from BOS |
| Y545 | BOS | 9:05 | WUS | 10:03 | 1 | M024 | 8:40 arrival from WUS, separated on platform; M001+M002 from 8:50 arrival to Southampton |
| X610 | WUS | 9:12 | BOS | 10:10 | 1 | M009 | 8:53 arrival from BOS |
| Y555 | BOS | 9:15 | WUS | 10:13 | 1 | M003 | 9:00 arrival from WUS, separated on platform |
| X620 | WUS | 9:22 | BOS | 10:20 | 1 | M010 | 9:03 arrival from BOS |
| Y565 | BOS | 9:25 | WUS | 10:23 | 1 | M004 | 9:00 arrival from WUS, separated on platform; M025+M026 from 9:10 arrival to Southampton |
| X630 | WUS | 9:32 | BOS | 10:30 | 1 | M015 | 9:13 arrival from BOS |
| Y575 | BOS | 9:35 | WUS | 10:33 | 1 | M026 | 9:20 arrival from WUS |
| X640 | WUS | 9:42 | BOS | 10:40 | 1 | M016 | 9:23 arrival from BOS |
| Y585 | BOS | 9:45 | WUS | 10:43 | 1 | M007 | 9:30 arrival from WUS |
| X650 | WUS | 9:52 | BOS | 10:50 | 1 | M019 | 9:33 arrival from BOS |
| Y595 | BOS | 9:55 | WUS | 10:53 | 1 | M008 | 9:40 arrival from WUS |
| X660 | WUS | 10:02 | BOS | 11:00 | 1 | M020 | 9:43 arrival from BOS |
| Y605 | BOS | 10:05 | WUS | 11:03 | 1 | M013 | 9:50 arrival from WUS |
| X670 | WUS | 10:12 | BOS | 11:10 | 1 | M023 | 9:53 arrival from BOS |
| Y615 | BOS | 10:15 | WUS | 11:13 | 1 | M014 | 10:00 arrival from WUS |
| X680 | WUS | 10:22 | BOS | 11:20 | 1 | M024 | 10:03 arrival from BOS |
| Y625 | BOS | 10:25 | WUS | 11:23 | 1 | M009 | 10:10 arrival from WUS |
| X690 | WUS | 10:32 | BOS | 11:30 | 1 | M003 | 10:13 arrival from BOS |
| Y635 | BOS | 10:35 | WUS | 11:33 | 1 | M010 | 10:20 arrival from WUS |
| X700 | WUS | 10:42 | BOS | 11:40 | 1 | M004 | 10:23 arrival from BOS |
| Y645 | BOS | 10:45 | WUS | 11:43 | 1 | M015 | 10:30 arrival from WUS |
| | | | | | | | midday storage requirements: 10 trainsets in Boston (2500 feet), 1 trainset in Worcester (250 feet, on platform); requirements higher if frequency reduced at midday |

Simulated 90th %ile passenger loading, 6 tph, alternating Worcester/Framingham, based on 2012 CTPS boardings

| | X360 | X370 | X380 | X390 | X400 | X410 | X420 | X430 | X440 | X450 | X460 | X470 | X480 | X490 | X500 | X510 | X520 | X530 | X540 | X550 | X560 | X570 | X580 | X590 | X600 | X610 | X620 | X630 | X640 | X650 | X660 | X670 | X680 | X690 | X700 | X710 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Departure (WUS) | | 5:12 | | 5:32 | | 5:52 | | 6:12 | | 6:32 | | 6:52 | | 7:12 | | 7:32 | | 7:52 | | 8:12 | | 8:32 | | 8:52 | | 9:12 | | 9:32 | | 9:52 | | 10:12 | | 10:32 | | 10:52 |
| Departure (FRA) | 5:27 | | 5:47 | | 6:07 | | 6:27 | | 6:47 | | 7:07 | | 7:27 | | 7:47 | | 8:07 | | 8:27 | | 8:47 | | 9:07 | | 9:27 | | 9:47 | | 10:07 | | 10:27 | | 10:47 | | 11:07 | |
| Worcester Union | | 4 | | 14 | | 39 | | 80 | | 64 | | 59 | | 106 | | 99 | | 85 | | 58 | | 57 | | 28 | | 18 | | 17 | | 17 | | 17 | | 18 | | 52 |
| Grafton | | 5 | | 19 | | 55 | | 114 | | 94 | | 86 | | 159 | | 159 | | 132 | | 79 | | 77 | | 37 | | 22 | | 22 | | 22 | | 23 | | 23 | | 57 |
| Westborough | | 7 | | 26 | | 78 | | 165 | | 132 | | 114 | | 230 | | 239 | | 194 | | 109 | | 109 | | 48 | | 25 | | 25 | | 25 | | 26 | | 25 | | 66 |
| Southborough | | 9 | | 34 | | 100 | | 213 | | 165 | | 141 | | 292 | | 298 | | 242 | | 138 | | 139 | | 58 | | 29 | | 29 | | 28 | | 30 | | 29 | | 75 |
| Ashland | | 11 | | 40 | | 121 | | 262 | | 203 | | 181 | | 372 | | 373 | | 297 | | 159 | | 159 | | 65 | | 31 | | 31 | | 31 | | 32 | | 31 | | 77 |
| Framingham | 0 | 11 | 4 | 47 | 9 | 128 | 30 | 296 | 39 | 239 | 39 | 213 | 59 | 447 | 57 | 422 | 58 | 359 | 36 | 174 | 20 | 179 | 24 | 75 | 5 | 35 | 5 | 35 | 5 | 34 | 5 | 36 | 6 | 34 | 6 | 98 |
| West Natick | 0 | 11 | 9 | 57 | 20 | 138 | 62 | 335 | 80 | 277 | 81 | 253 | 118 | 513 | 94 | 457 | 94 | 432 | 68 | 186 | 31 | 194 | 40 | 85 | 10 | 39 | 11 | 38 | 11 | 38 | 10 | 40 | 10 | 38 | 11 | 122 |
| Natick Center | 0 | 11 | 11 | 62 | 24 | 142 | 67 | 339 | 84 | 280 | 113 | 286 | 160 | 565 | 128 | 490 | 129 | 498 | 100 | 197 | 46 | 203 | 49 | 91 | 13 | 42 | 13 | 40 | 13 | 40 | 13 | 42 | 12 | 41 | 13 | 144 |
| Wellesley Square | 0 | 11 | 12 | 65 | 27 | 147 | 70 | 343 | 88 | 283 | 152 | 328 | 193 | 586 | 151 | 512 | 151 | 559 | 131 | 212 | 61 | 214 | 59 | 96 | 14 | 43 | 14 | 42 | 14 | 41 | 15 | 44 | 14 | 42 | 15 | 161 |
| Wellesley Hills | 0 | 11 | 13 | 67 | 30 | 148 | 72 | 345 | 90 | 285 | 169 | 346 | 208 | 598 | 162 | 524 | 161 | 585 | 143 | 217 | 66 | 218 | 64 | 98 | 14 | 43 | 14 | 42 | 14 | 41 | 15 | 44 | 14 | 42 | 15 | 162 |
| Wellesley Farms | 0 | 11 | 14 | 69 | 31 | 149 | 74 | 346 | 91 | 287 | 186 | 364 | 229 | 617 | 181 | 543 | 181 | 617 | 163 | 231 | 79 | 225 | 72 | 102 | 15 | 43 | 15 | 43 | 15 | 42 | 15 | 44 | 15 | 43 | 16 | 166 |
| Auburndale | 0 | 11 | 14 | 71 | 33 | 151 | 75 | 348 | 93 | 290 | 199 | 379 | 239 | 625 | 190 | 551 | 190 | 630 | 174 | 241 | 90 | 226 | 72 | 103 | 15 | 44 | 15 | 43 | 15 | 43 | 15 | 44 | 15 | 44 | 16 | 167 |
| West Newton | 0 | 11 | 15 | 71 | 34 | 151 | 76 | 349 | 93 | 290 | 211 | 393 | 252 | 632 | 196 | 558 | 197 | 642 | 187 | 255 | 105 | 227 | 73 | 104 | 16 | 45 | 17 | 44 | 16 | 44 | 17 | 46 | 17 | 45 | 18 | 171 |
| Newtonville | 0 | 11 | 16 | 75 | 38 | 156 | 80 | 351 | 97 | 294 | 227 | 410 | 266 | 641 | 206 | 567 | 205 | 662 | 207 | 275 | 125 | 229 | 74 | 105 | 18 | 47 | 19 | 46 | 18 | 46 | 18 | 47 | 18 | 46 | 19 | 176 |
| Yawkey | 0 | 11 | 16 | 75 | 38 | 156 | 80 | 351 | 97 | 294 | 227 | 410 | 266 | 641 | 206 | 567 | 205 | 662 | 207 | 275 | 125 | 229 | 74 | 105 | 18 | 47 | 19 | 46 | 18 | 46 | 18 | 47 | 18 | 46 | 19 | 176 |
| Back Bay | 0 | 11 | 16 | 75 | 38 | 156 | 80 | 351 | 97 | 294 | 227 | 410 | 266 | 641 | 206 | 567 | 205 | 662 | 207 | 275 | 125 | 229 | 74 | 105 | 18 | 47 | 19 | 46 | 18 | 46 | 18 | 47 | 18 | 46 | 19 | 176 |
| Arrival time | 6:00 | 6:10 | 6:20 | 6:30 | 6:40 | 6:50 | 7:00 | 7:10 | 7:20 | 7:30 | 7:40 | 7:50 | 8:00 | 8:10 | 8:20 | 8:30 | 8:40 | 8:50 | 9:00 | 9:10 | 9:20 | 9:30 | 9:40 | 9:50 | 10:00 | 10:10 | 10:20 | 10:30 | 10:40 | 10:50 | 11:00 | 11:10 | 11:20 | 11:30 | 11:40 | 11:50 |
| Units required | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 3 | 1 | 3 | 1 | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Simulated 90th %ile passenger loading, 6/7.5/6/3 tph, all local trains, based on 2012 CTPS boardings

| | X360 | X370 | X380 | X390 | X400 | X410 | X420 | X430 | X440 | X450 | X460 | X470 | X480 | X490 | X500 | X510 | X520 | X528 | X536 | X544 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Departure | 5:02 | 5:12 | 5:22 | 5:32 | 5:42 | 5:52 | 6:02 | 6:12 | 6:22 | 6:32 | 6:42 | 6:52 | 7:02 | 7:12 | 7:22 | 7:32 | 7:42 | 7:50 | 7:58 | 8:06 |
| Worcester Union | 0 | 0 | 4 | 8 | 8 | 8 | 32 | 42 | 42 | 43 | 27 | 24 | 40 | 58 | 52 | 51 | 43 | 43 | 40 | 26 |
| Grafton | 0 | 0 | 6 | 11 | 11 | 11 | 46 | 61 | 60 | 60 | 38 | 35 | 56 | 82 | 83 | 81 | 68 | 67 | 62 | 34 |
| Westborough | 0 | 0 | 7 | 15 | 15 | 15 | 67 | 87 | 85 | 87 | 50 | 46 | 74 | 114 | 125 | 124 | 99 | 99 | 92 | 47 |
| Southborough | 0 | 0 | 9 | 19 | 20 | 20 | 85 | 111 | 110 | 112 | 60 | 55 | 92 | 146 | 155 | 154 | 124 | 123 | 116 | 58 |
| Ashland | 0 | 0 | 11 | 22 | 23 | 23 | 103 | 136 | 135 | 138 | 75 | 69 | 120 | 188 | 191 | 191 | 153 | 154 | 143 | 66 |
| Framingham | 0 | 0 | 14 | 30 | 29 | 30 | 129 | 169 | 169 | 170 | 110 | 102 | 173 | 267 | 241 | 243 | 195 | 201 | 190 | 81 |
| West Natick | 0 | 0 | 18 | 39 | 40 | 40 | 160 | 209 | 209 | 213 | 152 | 145 | 230 | 333 | 278 | 277 | 223 | 252 | 245 | 89 |
| Natick Center | 0 | 0 | 20 | 45 | 45 | 45 | 164 | 213 | 213 | 217 | 181 | 179 | 269 | 383 | 311 | 312 | 250 | 299 | 294 | 100 |
| Wellesley Square | 0 | 0 | 21 | 48 | 48 | 48 | 167 | 215 | 216 | 220 | 219 | 218 | 302 | 405 | 330 | 333 | 267 | 339 | 345 | 111 |
| Wellesley Hills | 0 | 0 | 23 | 49 | 50 | 50 | 169 | 217 | 217 | 223 | 237 | 239 | 317 | 418 | 342 | 343 | 276 | 356 | 364 | 116 |
| Wellesley Farms | 0 | 0 | 23 | 51 | 51 | 51 | 170 | 218 | 219 | 224 | 252 | 257 | 335 | 434 | 360 | 361 | 290 | 378 | 389 | 126 |
| Auburndale | 0 | 0 | 24 | 53 | 53 | 53 | 171 | 220 | 220 | 225 | 266 | 273 | 348 | 443 | 369 | 370 | 298 | 386 | 397 | 136 |
| West Newton | 0 | 0 | 24 | 53 | 53 | 54 | 172 | 221 | 221 | 225 | 279 | 285 | 358 | 451 | 375 | 376 | 305 | 394 | 409 | 147 |
| Newtonville | 0 | 0 | 25 | 58 | 58 | 58 | 175 | 224 | 224 | 229 | 293 | 301 | 373 | 459 | 385 | 386 | 313 | 406 | 425 | 162 |
| Yawkey | 0 | 0 | 25 | 58 | 58 | 58 | 175 | 224 | 224 | 229 | 293 | 301 | 373 | 459 | 385 | 386 | 313 | 406 | 425 | 162 |
| Back Bay | 0 | 0 | 25 | 58 | 58 | 58 | 175 | 224 | 224 | 229 | 293 | 301 | 373 | 459 | 385 | 386 | 313 | 406 | 425 | 162 |
| Arrival | 6:00 | 6:10 | 6:20 | 6:30 | 6:40 | 6:50 | 7:00 | 7:10 | 7:20 | 7:30 | 7:40 | 7:50 | 8:00 | 8:10 | 8:20 | 8:30 | 8:40 | 8:48 | 8:56 | 9:04 |
| Units required | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |

| | X552 | X560 | X570 | X580 | X590 | X600 | X620 | X640 | X660 | X680 | X700 | X720 |
|-------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| Departure | 8:14 | 8:22 | 8:32 | 8:42 | 8:52 | 9:02 | 9:22 | 9:42 | 10:02 | 10:22 | 10:42 | 11:02 |
| Worcester Union | 25 | 31 | 30 | 32 | 20 | 17 | 17 | 18 | 17 | 18 | 18 | 44 |
| Grafton | 34 | 41 | 41 | 42 | 27 | 21 | 22 | 22 | 22 | 23 | 23 | 47 |
| Westborough | 47 | 56 | 56 | 57 | 35 | 24 | 25 | 26 | 25 | 25 | 26 | 54 |
| Southborough | 59 | 72 | 71 | 72 | 45 | 28 | 29 | 29 | 29 | 29 | 29 | 61 |
| Ashland | 68 | 82 | 82 | 83 | 51 | 30 | 31 | 32 | 31 | 31 | 32 | 63 |
| Framingham | 80 | 97 | 102 | 103 | 62 | 38 | 37 | 38 | 38 | 39 | 38 | 80 |
| West Natick | 90 | 109 | 117 | 118 | 72 | 47 | 47 | 47 | 46 | 48 | 47 | 100 |
| Natick Center | 101 | 122 | 126 | 127 | 77 | 51 | 51 | 51 | 50 | 51 | 50 | 119 |
| Wellesley Square | 113 | 135 | 135 | 136 | 83 | 53 | 53 | 54 | 52 | 54 | 53 | 134 |
| Wellesley Hills | 117 | 141 | 139 | 140 | 85 | 53 | 53 | 54 | 53 | 55 | 53 | 136 |
| Wellesley Farms | 127 | 154 | 147 | 148 | 89 | 55 | 54 | 55 | 54 | 56 | 54 | 139 |
| Auburndale | 136 | 165 | 147 | 148 | 90 | 56 | 56 | 56 | 55 | 57 | 55 | 140 |
| West Newton | 147 | 180 | 148 | 149 | 91 | 59 | 58 | 59 | 57 | 59 | 57 | 142 |
| Newtonville | 163 | 200 | 150 | 150 | 93 | 62 | 62 | 62 | 60 | 63 | 61 | 145 |
| Yawkey | 163 | 200 | 150 | 150 | 93 | 62 | 62 | 62 | 60 | 63 | 61 | 145 |
| Back Bay | 163 | 200 | 150 | 150 | 93 | 62 | 62 | 62 | 60 | 63 | 61 | 145 |
| Arrival | 9:12 | 9:20 | 9:30 | 9:40 | 9:50 | 10:00 | 10:20 | 10:40 | 11:00 | 11:20 | 11:40 | 12:00 |
| Units required | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Simulated 90th %ile passenger loading, 8/8/4 tph, zone express, based on 2012 CTPS boardings

| | X300 | X308 | X315 | X323 | X330 | X338 | X345 | X353 | X360 | X368 | X375 | X383 | X390 | X398 | X405 | X413 | X420 | X425 | X435 | X440 | X450 | X455 | X465 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Depart WUS | | 4:10 | | 4:25 | | 4:40 | | 4:55 | | 5:10 | | 5:25 | | 5:40 | | 5:55 | | 6:15 | | 6:30 | | 6:45 | |
| Depart FRA | 4:27 | | 4:42 | 4:50 | 4:57 | 5:05 | 5:12 | | 5:27 | | 5:42 | | 5:57 | | 6:12 | | 6:27 | | 6:42 | | 6:57 | | 7:12 |
| Worcester Union | | 0 | | 0 | | 0 | | 0 | | 0 | | 8 | | 11 | | 12 | | 60 | | 62 | | 53 | |
| Grafton | | 0 | | 0 | | 0 | | 0 | | 0 | | 11 | | 16 | | 16 | | 85 | | 88 | | 76 | |
| Westborough | | 0 | | 0 | | 0 | | 0 | | 0 | | 15 | | 22 | | 23 | | 122 | | 126 | | 105 | |
| Southborough | | 0 | | 0 | | 0 | | 0 | | 0 | | 19 | | 28 | | 29 | | 156 | | 162 | | 130 | |
| Ashland | | 0 | | 0 | | 0 | | 0 | | 0 | | 22 | | 32 | | 33 | | 192 | | 200 | | 160 | |
| Framingham | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 8 | 37 | 7 | 39 | 8 | 224 | 21 | 234 | 21 | 194 | 21 |
| West Natick | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 16 | 43 | 17 | 46 | 15 | 260 | 43 | 274 | 42 | 233 | 43 |
| Natick Center | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 20 | 46 | 20 | 49 | 22 | | 49 | | 54 | | 92 |
| Wellesley Square | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 23 | 49 | 23 | 50 | 26 | | 53 | | 69 | | 153 |
| Wellesley Hills | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 24 | 51 | 25 | 51 | 29 | | 57 | | 74 | | 182 |
| Wellesley Farms | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 25 | 52 | 26 | 52 | 32 | | 59 | | 80 | | 208 |
| Auburndale | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 27 | 53 | 28 | 53 | 34 | | 61 | | 84 | | 230 |
| West Newton | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 28 | 53 | 28 | 54 | 35 | | 62 | | 87 | | 250 |
| Newtonville | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 30 | 56 | 31 | 56 | 41 | | 68 | | 96 | | 277 |
| Yawkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 30 | 56 | 31 | 56 | 41 | 260 | 68 | 274 | 96 | 233 | 277 |
| Back Bay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 30 | 56 | 31 | 56 | 41 | 260 | 68 | 274 | 96 | 233 | 277 |
| Arrive | 5:00 | 5:08 | 5:15 | 5:23 | 5:30 | 5:38 | 5:45 | 5:53 | 6:00 | 6:08 | 6:15 | 6:23 | 6:30 | 6:38 | 6:45 | 6:53 | 7:00 | 7:05 | 7:15 | 7:20 | 7:30 | 7:35 | 7:45 |
| Units required | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 |

| | X470 | X480 | X485 | X495 | X500 | X510 | X515 | X525 | X530 | X540 | X545 | X555 | X560 | X570 | X585 | X600 | X615 | X630 | X645 | X660 | X675 | X690 | X705 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Depart WUS | 7:00 | | 7:15 | | 7:30 | | 7:45 | | 8:00 | | 8:15 | | 8:30 | | 8:47 | | 9:17 | | 9:47 | | 10:17 | | 10:47 |
| Depart FRA | | 7:27 | | 7:42 | | 7:57 | | 8:12 | | 8:27 | | 8:42 | | 8:57 | | 9:27 | | 9:57 | | 10:27 | | 10:57 | |
| Worcester Union | 34 | | 76 | | 77 | | 76 | | 75 | | 46 | | 70 | | 52 | | 24 | | 24 | | 25 | | 58 |
| Grafton | 50 | | 107 | | 121 | | 121 | | 121 | | 64 | | 95 | | 69 | | 31 | | 31 | | 32 | | 65 |
| Westborough | 65 | | 143 | | 181 | | 180 | | 180 | | 89 | | 134 | | 91 | | 35 | | 35 | | 36 | | 75 |
| Southborough | 79 | | 184 | | 229 | | 225 | | 224 | | 113 | | 168 | | 112 | | 42 | | 41 | | 42 | | 85 |
| Ashland | 99 | | 240 | | 284 | | 281 | | 278 | | 133 | | 195 | | 127 | | 45 | | 44 | | 46 | | 88 |
| Framingham | 132 | 21 | 310 | 46 | 338 | 30 | 332 | 31 | 339 | 36 | 153 | 11 | 209 | 32 | 152 | 7 | 50 | 8 | 50 | 7 | 51 | 8 | 111 |
| West Natick | 175 | 43 | 372 | 84 | 377 | 48 | 367 | 51 | 402 | 75 | 172 | 18 | 221 | 55 | 172 | 15 | 56 | 15 | 56 | 15 | 57 | 14 | 138 |
| Natick Center | | 108 | | 146 | | 99 | | 129 | | 132 | | 38 | | 70 | 183 | 18 | 59 | 18 | 60 | 19 | 60 | 18 | 161 |
| Wellesley Square | | 159 | | 180 | | 132 | | 193 | | 184 | | 61 | | 87 | 197 | 21 | 61 | 20 | 62 | 21 | 61 | 20 | 179 |
| Wellesley Hills | | 182 | | 198 | | 149 | | 221 | | 203 | | 67 | | 94 | 202 | 21 | 61 | 20 | 62 | 21 | 61 | 20 | 180 |
| Wellesley Farms | | 209 | | 225 | | 177 | | 257 | | 235 | | 88 | | 106 | 211 | 21 | 62 | 21 | 63 | 22 | 63 | 22 | 185 |
| Auburndale | | 226 | | 237 | | 190 | | 271 | | 250 | | 104 | | 110 | 211 | 22 | 63 | 22 | 64 | 22 | 64 | 22 | 187 |
| West Newton | | 243 | | 247 | | 200 | | 287 | | 271 | | 126 | | 115 | 213 | 25 | 65 | 24 | 65 | 24 | 65 | 25 | 192 |
| Newtonville | | 265 | | 262 | | 213 | | 307 | | 298 | | 154 | | 122 | 216 | 27 | 67 | 27 | 68 | 27 | 68 | 27 | 196 |
| Yawkey | 175 | 265 | 372 | 262 | 377 | 213 | 367 | 307 | 402 | 298 | 172 | 154 | 221 | 122 | 216 | 27 | 67 | 27 | 68 | 27 | 68 | 27 | 196 |
| Back Bay | 175 | 265 | 372 | 262 | 377 | 213 | 367 | 307 | 402 | 298 | 172 | 154 | 221 | 122 | 216 | 27 | 67 | 27 | 68 | 27 | 68 | 27 | 196 |
| Arrive | 7:50 | 8:00 | 8:05 | 8:15 | 8:20 | 8:30 | 8:35 | 8:45 | 8:50 | 9:00 | 9:05 | 9:15 | 9:20 | 9:30 | 9:45 | 10:00 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 | 11:30 | 11:45 |
| Units required | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

Equipment required for zone express service with 8 tph peak and 4 tph off-peak

| Train | from | plt | departs | to | plt | arrives | layover | becomes | units | equipment | notes |
|-------|------|-----|---------|-----|-----|---------|---------|---------|-------|-----------|---|
| X300 | FRA | | 4:27 | BOS | 1 | 5:00 | 12m | Y312 | 1 | F001 | stored overnight at Fountain St. |
| Y312 | BOS | 1 | 5:12 | FRA | | 5:45 | 12m | X390 | 1 | F001 | |
| X315 | FRA | | 4:42 | BOS | 1 | 5:15 | 12m | Y327 | 1 | F002 | stored overnight at Fountain St. |
| Y320 | BOS | 2 | 5:20 | WUS | | 6:18 | 12m | X440 | 2 | S001+S002 | stored overnight at Southampton St. |
| Y327 | BOS | 1 | 5:27 | FRA | | 6:00 | 12m | X405 | 1 | F002 | |
| X330 | FRA | | 4:57 | BOS | 1 | 5:30 | 12m | Y342 | 1 | F003 | stored overnight at Fountain St. |
| Y335 | BOS | 2 | 5:35 | WUS | | 6:33 | 12m | X455 | 2 | S003+S004 | stored overnight at Southampton St. |
| Y342 | BOS | 1 | 5:42 | FRA | | 6:15 | 12m | X420 | 1 | F003 | |
| X345 | FRA | | 5:12 | BOS | 1 | 5:45 | 12m | Y357 | 1 | F004 | stored overnight at Fountain St. |
| X353 | WUS | | 4:55 | BOS | 2 | 5:53 | 12m | Y365 | 2 | W001+W002 | stored overnight at Worcester |
| Y357 | BOS | 1 | 5:57 | FRA | | 6:30 | 12m | X435 | 1 | F004 | |
| X360 | FRA | | 5:27 | BOS | 1 | 6:00 | 12m | Y372 | 1 | F005 | stored overnight at Fountain St. |
| Y365 | BOS | 2 | 6:05 | WUS | | 7:03 | 12m | X485 | 2 | W001+W002 | |
| Y372 | BOS | 1 | 6:12 | FRA | | 6:45 | 12m | X450 | 1 | F005 | |
| X375 | FRA | | 5:42 | BOS | 1 | 6:15 | 12m | Y387 | 1 | F006 | stored overnight at Fountain St. |
| Y380 | BOS | 2 | 6:20 | WUS | | 7:18 | 12m | X500 | 2 | S005+S006 | |
| X383 | WUS | | 5:25 | BOS | 2 | 6:23 | 12m | Y395 | 2 | W003+W004 | stored overnight at Worcester |
| Y387 | BOS | 1 | 6:27 | FRA | | 7:00 | 17m | X465 | 1 | F006 | |
| X390 | FRA | | 5:57 | BOS | 1 | 6:30 | 12m | Y402 | 1 | F001 | |
| Y395 | BOS | 2 | 6:35 | WUS | | 7:33 | 12m | X515 | 2 | W003+W004 | |
| X398 | WUS | | 5:40 | BOS | 2 | 6:38 | 12m | Y410 | 2 | W005+W006 | stored overnight at Worcester |
| Y402 | BOS | 1 | 6:42 | FRA | | 7:15 | 12m | X480 | 1 | F001 | |
| X405 | FRA | | 6:12 | BOS | 1 | 6:45 | 12m | Y417 | 1 | F002 | |
| Y410 | BOS | 2 | 6:50 | WUS | | 7:48 | 12m | X530 | 2 | W005+W006 | |
| X413 | WUS | | 5:55 | BOS | 2 | 6:53 | 10m | Y423 | 2 | W007+W008 | stored overnight at Worcester; NB SHORT TURNAROUND TIME |
| Y417 | BOS | 1 | 6:57 | FRA | | 7:30 | 12m | X495 | 1 | F002 | |
| X420 | FRA | | 6:27 | BOS | 1 | 7:00 | 12m | Y432 | 1 | F003 | |
| Y423 | BOS | 2 | 7:03 | WUS | | 8:01 | 14m | X545 | 2 | W007+W008 | |
| X425 | WUS | | 6:15 | BOS | 2 | 7:05 | 12m | Y437 | 2 | W009+W010 | stored overnight at Worcester |
| Y432 | BOS | 1 | 7:12 | FRA | | 7:45 | 12m | X510 | 1 | F003 | |
| X435 | FRA | | 6:42 | BOS | 1 | 7:15 | 12m | Y447 | 1 | F004 | |
| Y437 | BOS | 2 | 7:17 | WUS | | 8:15 | 15m | X560 | 2 | W009+W010 | |
| X440 | WUS | | 6:30 | BOS | 2 | 7:20 | 12m | Y452 | 2 | S001+S002 | |
| Y447 | BOS | 1 | 7:27 | FRA | | 8:00 | 12m | X525 | 1 | F004 | possibly swap for 2-unit consist for extra seats on X525 (out of service after a single round trip), would be F011+F012 if done |
| X450 | FRA | | 6:57 | BOS | 1 | 7:30 | 12m | Y462 | 1 | F005 | |
| Y452 | BOS | 2 | 7:32 | WUS | | 8:30 | 17m | X585 | 2 | S001+S002 | |
| X455 | WUS | | 6:45 | BOS | 2 | 7:35 | 12m | Y467 | 2 | S003+S004 | |
| Y462 | BOS | 1 | 7:42 | FRA | | 8:15 | 12m | X540 | 1 | F005 | possibly couple to F006 for extra seats on X540 |
| X465 | FRA | | 7:17 | BOS | 1 | 7:45 | 12m | Y477 | 1 | F006 | |
| Y467 | BOS | 2 | 7:47 | WUS | | 8:45 | | OOS | 2 | S003+S004 | need to identify storage location, maybe deadhead to Fountain St.; by preference we'd like to have 4 tph peak service westbound to serve Worcester commuters so short-turning this train is undesirable |
| X470 | WUS | | 7:00 | BOS | 2 | 7:50 | 12m | Y482 | 2 | W011+W012 | stored overnight at Worcester |
| Y477 | BOS | 1 | 7:57 | FRA | | 8:30 | 12m | X555 | 1 | F006 | |
| X480 | FRA | | 7:27 | BOS | 1 | 8:00 | 12m | Y492 | 1 | F001 | |
| Y482 | BOS | 2 | 8:02 | WUS | | 9:00 | 17m | X615 | 2 | W011+W012 | |

| Train | from | plt | departs | to | plt | arrives | layover | becomes | units | equipment | notes |
|-------|------|-----|---------|-----|-----|---------|---------|---------|-------|-----------|---|
| X485 | WUS | | 7:15 | BOS | 2 | 8:05 | 12m | Y497 | 2 | W001+W002 | |
| Y492 | BOS | 1 | 8:12 | FRA | | 8:45 | 12m | X570 | 1 | F001 | |
| X495 | FRA | | 7:42 | BOS | 1 | 8:15 | 12m | Y507 | 1 | F002 | |
| Y497 | BOS | 2 | 8:17 | FRA | | 8:50 | | OOS | 2 | W001+W002 | stored midday at Fountain St. |
| X500 | WUS | | 7:30 | BOS | 2 | 8:20 | 12m | Y512 | 2 | S005+S006 | |
| Y507 | BOS | 1 | 8:27 | FRA | | 9:00 | | OOS | 1 | F002 | stored midday at Fountain St. |
| X510 | FRA | | 7:57 | BOS | 1 | 8:30 | 12m | Y522 | 1 | F003 | |
| Y512 | BOS | 2 | 8:32 | WUS | | 9:30 | 17m | X645 | 2 | S005+S006 | |
| X515 | WUS | | 7:45 | BOS | 2 | 8:35 | | OOS | 2 | W003+W004 | stored midday at Southampton St. (available for maintenance & inspection) |
| Y522 | BOS | 1 | 8:42 | FRA | | 9:15 | 12m | X600 | 1 | F003 | |
| X525 | FRA | | 8:12 | BOS | 1 | 8:45 | 12m | Y537 | 1 | F004 | |
| X530 | WUS | | 8:00 | BOS | 2 | 8:50 | 12m | Y542 | 2 | W005+W006 | |
| Y537 | BOS | 1 | 8:57 | FRA | | 9:30 | | OOS | 1 | F004 | stored midday at Fountain St. |
| X540 | FRA | | 8:27 | BOS | 1 | 9:00 | 12m | Y552 | 1 | F005 | |
| Y542 | BOS | 2 | 9:02 | WUS | | 10:00 | 17m | X675 | 2 | W005+W006 | |
| X545 | WUS | | 8:15 | BOS | 2 | 9:05 | 12m | Y557 | 2 | W007+W008 | |
| Y552 | BOS | 1 | 9:12 | FRA | | 9:45 | 12m | X630 | 1 | F005 | |
| X555 | FRA | | 8:42 | BOS | 1 | 9:15 | 12m | Y567 | 1 | F006 | |
| Y557 | BOS | 2 | 9:17 | FRA | | 9:50 | | OOS | 2 | W007+W008 | stored midday at Fountain St. |
| X560 | WUS | | 8:30 | BOS | 2 | 9:20 | 12m | Y572 | 2 | W009+W010 | |
| Y567 | BOS | 1 | 9:27 | FRA | | 10:00 | | OOS | 1 | F006 | stored midday at Fountain St. |
| X570 | FRA | | 8:57 | BOS | 1 | 9:30 | 12m | Y582 | 1 | F001 | |
| Y572 | BOS | 2 | 9:32 | WUS | | 10:30 | 17m | X705 | 2 | W009+W010 | |
| Y582 | BOS | 1 | 9:42 | FRA | | 10:15 | 12m | X660 | 1 | F001 | |
| X585 | WUS | | 8:47 | BOS | 2 | 9:45 | 12m | Y597 | 2 | S001+S002 | |
| Y597 | BOS | 2 | 9:57 | WUS | | 10:55 | 22m | X735 | 2 | S001+S002 | |
| X600 | FRA | | 9:27 | BOS | 1 | 10:00 | 12m | Y612 | 1 | F003 | |
| Y612 | BOS | 1 | 10:12 | FRA | | 10:50 | 7m | X690 | 1 | F003 | NB short 7 minute turnaround |
| X615 | WUS | | 9:17 | BOS | 2 | 10:15 | 12m | Y627 | 2 | W011+W012 | |
| Y627 | BOS | 2 | 10:27 | WUS | | 11:25 | 22m | X765 | 2 | W011+W012 | |
| X630 | FRA | | 9:57 | BOS | 1 | 10:30 | 12m | Y642 | 1 | F005 | |
| Y642 | BOS | 1 | 10:42 | FRA | | 11:15 | 12m | X720 | 1 | F005 | |
| X645 | WUS | | 9:47 | BOS | 2 | 10:45 | 12m | Y657 | 2 | S005+S006 | |
| Y657 | BOS | 2 | 10:57 | WUS | | 11:55 | 22m | X795 | 2 | S005+S006 | |
| X660 | FRA | | 10:27 | BOS | 1 | 11:00 | 12m | Y672 | 1 | F001 | |
| Y672 | BOS | 1 | 11:12 | FRA | | 11:45 | 12m | X750 | 1 | F001 | |
| X675 | WUS | | 10:17 | BOS | 2 | 11:15 | 12m | Y687 | 2 | W005+W006 | |
| Y687 | BOS | 2 | 11:27 | WUS | | 12:25 | 22m | X825 | 2 | W005+W006 | |
| X690 | FRA | | 10:57 | BOS | 1 | 11:30 | 12m | Y702 | 1 | F003 | |
| Y702 | BOS | 1 | 11:42 | FRA | | 12:15 | 12m | X780 | 1 | F003 | |
| X705 | WUS | | 10:47 | BOS | 2 | 11:45 | 12m | Y717 | 2 | W009+W010 | |
| Y717 | BOS | 2 | 11:57 | WUS | | 12:55 | 22m | X855 | 2 | W009+W010 | |
| X720 | FRA | | 11:27 | BOS | 1 | 12:00 | 12m | Y732 | 1 | F005 | |
| Y732 | BOS | 1 | 12:12 | FRA | | 12:45 | 12m | X810 | 1 | F005 | |
| X735 | WUS | | 11:17 | BOS | 2 | 12:15 | 12m | Y747 | 2 | S001+S002 | |
| Y747 | BOS | 2 | 12:27 | WUS | | 13:25 | | X885 | 2 | S001+S002 | |
| X750 | FRA | | 11:57 | BOS | 1 | 12:30 | 12m | Y762 | 1 | F001 | |

| Train | from | plt | departs | to | plt | arrives | layover | becomes | units | equipment | notes |
|-------|--|-----|---------|-----|-----|---------|---------|---------|-------|-----------|--|
| Y762 | BOS | 1 | 12:42 | FRA | | 13:15 | | X840 | 1 | F001 | |
| X765 | WUS | | 11:47 | BOS | 2 | 12:45 | 12m | Y777 | 2 | W011+W012 | |
| Y777 | BOS | 2 | 12:57 | WUS | | 13:55 | | X915 | 2 | W011+W012 | |
| X780 | FRA | | 12:27 | BOS | 1 | 13:00 | 12m | Y792 | 1 | F003 | |
| Y792 | BOS | 1 | 13:12 | FRA | | 13:45 | | X780 | 1 | F003 | |
| X795 | WUS | | 12:17 | BOS | 2 | 13:15 | 12m | Y807 | 2 | S005+S006 | |
| Y807 | BOS | 2 | 13:27 | WUS | | 14:25 | | X945 | 2 | S005+S006 | |
| X810 | FRA | | 12:57 | BOS | 1 | 13:30 | 12m | Y822 | 1 | F005 | |
| Y822 | BOS | 1 | 13:42 | FRA | | 14:15 | | X900 | 1 | F005 | |
| X825 | WUS | | 12:47 | BOS | 2 | 13:45 | 12m | Y837 | 2 | W005+W006 | |
| Y837 | BOS | 2 | 13:57 | WUS | | 14:55 | | X960 | 2 | W005+W006 | |
| X840 | FRA | | 13:27 | BOS | 1 | 14:00 | | Y852 | 1 | F001 | |
| X855 | WUS | | 13:17 | BOS | 2 | 14:15 | | Y867 | 2 | W009+W010 | |
| | pattern continues until around 15:45 when stored trains are restarted to initiate PM rush service | | | | | | | | | | total unit requirement: 24 |
| | midday units in operation: 13 (only 8 are required to meet service target, remaining 5 are coupled | | | | | | | | | | overnight storage requirement: 6 at SHSY, 12 at Worcester layover, 6 at Fountain St. layover (units coded by overnight storage location) |
| | base-to-peak ratio: 54% | | | | | | | | | | midday storage requirement: 2 at Worcester (or Fountain St.), 7 at Fountain St., 2 at Southampton St. (available for inspection & light maintenance) |
| | | | | | | | | | | | platform requirements: 2 at South Station (peak only), 2 at Worcester (1 existing) |

Full schedule, “zone express” scenario, inbound trips only

| | X300 | X308 | X315 | X323 | X330 | X338 | X345 | X353 | X360 | X368 | X375 | X383 | X390 | X398 | X405 | X413 | X420 | X425 | X435 | X440 | X450 | X455 | X465 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Worcester Union | | 4:10 | | 4:25 | | 4:40 | | 4:55 | | 5:10 | | 5:25 | | 5:40 | | 5:55 | | 6:15 | | 6:30 | | 6:45 | |
| Biotech Park | | 4:13 | | 4:28 | | 4:43 | | 4:58 | | 5:13 | | 5:28 | | 5:43 | | 5:58 | | 6:18 | | 6:33 | | 6:48 | |
| Grafton | | 4:20 | | 4:35 | | 4:50 | | 5:05 | | 5:20 | | 5:35 | | 5:50 | | 6:05 | | 6:25 | | 6:40 | | 6:55 | |
| Westborough | | 4:24 | | 4:39 | | 4:54 | | 5:09 | | 5:24 | | 5:39 | | 5:54 | | 6:09 | | 6:29 | | 6:44 | | 6:59 | |
| Southborough | | 4:28 | | 4:43 | | 4:58 | | 5:13 | | 5:28 | | 5:43 | | 5:58 | | 6:13 | | 6:33 | | 6:48 | | 7:03 | |
| Ashland | | 4:32 | | 4:47 | | 5:02 | | 5:17 | | 5:32 | | 5:47 | | 6:02 | | 6:17 | | 6:37 | | 6:52 | | 7:07 | |
| Framingham | 4:27 | 4:35 | 4:42 | 4:50 | 4:57 | 5:05 | 5:12 | 5:20 | 5:27 | 5:35 | 5:42 | 5:50 | 5:57 | 6:05 | 6:12 | 6:20 | 6:27 | 6:40 | 6:42 | 6:55 | 6:57 | 7:10 | 7:12 |
| West Natick | 4:30 | 4:38 | 4:45 | 4:53 | 5:00 | 5:08 | 5:15 | 5:23 | 5:30 | 5:38 | 5:45 | 5:53 | 6:00 | 6:08 | 6:15 | 6:23 | 6:30 | 6:43 | 6:45 | 6:58 | 7:00 | 7:13 | 7:15 |
| Natick Center | 4:33 | 4:40 | 4:48 | 4:55 | 5:03 | 5:10 | 5:18 | 5:25 | 5:33 | 5:40 | 5:48 | 5:55 | 6:03 | 6:10 | 6:18 | 6:25 | 6:33 | | 6:48 | | 7:03 | | 7:18 |
| Wellesley Square | 4:36 | 4:44 | 4:51 | 4:59 | 5:06 | 5:14 | 5:21 | 5:29 | 5:36 | 5:44 | 5:51 | 5:59 | 6:06 | 6:14 | 6:21 | 6:29 | 6:36 | | 6:51 | | 7:06 | | 7:21 |
| Wellesley Hills | 4:38 | 4:46 | 4:53 | 5:01 | 5:08 | 5:16 | 5:23 | 5:31 | 5:38 | 5:46 | 5:53 | 6:01 | 6:08 | 6:16 | 6:23 | 6:31 | 6:38 | | 6:53 | | 7:08 | | 7:23 |
| Wellesley Farms | 4:40 | 4:48 | 4:55 | 5:03 | 5:10 | 5:18 | 5:25 | 5:33 | 5:40 | 5:48 | 5:55 | 6:03 | 6:10 | 6:18 | 6:25 | 6:33 | 6:40 | | 6:55 | | 7:10 | | 7:25 |
| Auburndale | 4:43 | 4:51 | 4:58 | 5:06 | 5:13 | 5:21 | 5:28 | 5:36 | 5:43 | 5:51 | 5:58 | 6:06 | 6:13 | 6:21 | 6:28 | 6:36 | 6:43 | | 6:58 | | 7:13 | | 7:28 |
| West Newton | 4:45 | 4:53 | 5:00 | 5:08 | 5:15 | 5:23 | 5:30 | 5:38 | 5:45 | 5:53 | 6:00 | 6:08 | 6:15 | 6:23 | 6:30 | 6:38 | 6:45 | | 7:00 | | 7:15 | | 7:30 |
| Newtonville | 4:47 | 4:55 | 5:02 | 5:10 | 5:17 | 5:25 | 5:32 | 5:40 | 5:47 | 5:55 | 6:02 | 6:10 | 6:17 | 6:25 | 6:32 | 6:40 | 6:47 | | 7:02 | | 7:17 | | 7:32 |
| Boston Landing | 4:51 | 4:59 | 5:06 | 5:14 | 5:21 | 5:29 | 5:36 | 5:44 | 5:51 | 5:59 | 6:06 | 6:14 | 6:21 | 6:29 | 6:36 | 6:44 | 6:51 | 6:56 | 7:06 | 7:11 | 7:21 | 7:26 | 7:36 |
| West Station | 4:53 | 5:01 | 5:08 | 5:16 | 5:23 | 5:31 | 5:38 | 5:46 | 5:53 | 6:01 | 6:08 | 6:16 | 6:23 | 6:31 | 6:38 | 6:46 | 6:53 | 6:58 | 7:08 | 7:13 | 7:23 | 7:28 | 7:38 |
| Yawkey | 4:55 | 5:03 | 5:10 | 5:18 | 5:25 | 5:33 | 5:40 | 5:48 | 5:55 | 6:03 | 6:10 | 6:18 | 6:25 | 6:33 | 6:40 | 6:48 | 6:55 | 7:00 | 7:10 | 7:15 | 7:25 | 7:30 | 7:40 |
| Back Bay | 4:58 | 5:06 | 5:13 | 5:21 | 5:28 | 5:36 | 5:43 | 5:51 | 5:58 | 6:06 | 6:13 | 6:21 | 6:28 | 6:36 | 6:43 | 6:51 | 6:58 | 7:03 | 7:13 | 7:18 | 7:28 | 7:33 | 7:43 |
| South Station | 5:00 | 5:08 | 5:15 | 5:23 | 5:30 | 5:38 | 5:45 | 5:53 | 6:00 | 6:08 | 6:15 | 6:23 | 6:30 | 6:38 | 6:45 | 6:53 | 7:00 | 7:05 | 7:15 | 7:20 | 7:30 | 7:35 | 7:45 |

| | X470 | X480 | X485 | X495 | X500 | X510 | X515 | X525 | X530 | X540 | X545 | X555 | X560 | X570 | X585 | X600 | X615 | X630 | X645 | X660 | X675 | X690 | X705 |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Worcester Union | 7:00 | | 7:15 | | 7:30 | | 7:45 | | 8:00 | | 8:15 | | 8:30 | | 8:47 | | 9:17 | | 9:47 | | 10:17 | | 10:47 |
| Biotech Park | 7:03 | | 7:18 | | 7:33 | | 7:48 | | 8:03 | | 8:18 | | 8:33 | | 8:50 | | 9:20 | | 9:50 | | 10:20 | | 10:50 |
| Grafton | 7:10 | | 7:25 | | 7:40 | | 7:55 | | 8:10 | | 8:25 | | 8:40 | | 8:57 | | 9:27 | | 9:57 | | 10:27 | | 10:57 |
| Westborough | 7:14 | | 7:29 | | 7:44 | | 7:59 | | 8:14 | | 8:29 | | 8:44 | | 9:01 | | 9:31 | | 10:01 | | 10:31 | | 11:01 |
| Southborough | 7:18 | | 7:33 | | 7:48 | | 8:03 | | 8:18 | | 8:33 | | 8:48 | | 9:05 | | 9:35 | | 10:05 | | 10:35 | | 11:05 |
| Ashland | 7:22 | | 7:37 | | 7:52 | | 8:07 | | 8:22 | | 8:37 | | 8:52 | | 9:09 | | 9:39 | | 10:09 | | 10:39 | | 11:09 |
| Framingham | 7:25 | 7:27 | 7:40 | 7:42 | 7:55 | 7:57 | 8:10 | 8:12 | 8:25 | 8:27 | 8:40 | 8:42 | 8:55 | 8:57 | 9:12 | 9:27 | 9:42 | 9:57 | 10:12 | 10:27 | 10:42 | 10:57 | 11:12 |
| West Natick | 7:28 | 7:30 | 7:43 | 7:45 | 7:58 | 8:00 | 8:13 | 8:15 | 8:28 | 8:30 | 8:43 | 8:45 | 8:58 | 9:00 | 9:15 | 9:30 | 9:45 | 10:00 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 |
| Natick Center | | 7:33 | | 7:48 | | 8:03 | | 8:18 | | 8:33 | | 8:48 | | 9:03 | 9:17 | 9:33 | 9:47 | 10:03 | 10:17 | 10:33 | 10:47 | 11:03 | 11:17 |
| Wellesley Square | | 7:36 | | 7:51 | | 8:06 | | 8:21 | | 8:36 | | 8:51 | | 9:06 | 9:21 | 9:36 | 9:51 | 10:06 | 10:21 | 10:36 | 10:51 | 11:06 | 11:21 |
| Wellesley Hills | | 7:38 | | 7:53 | | 8:08 | | 8:23 | | 8:38 | | 8:53 | | 9:08 | 9:23 | 9:38 | 9:53 | 10:08 | 10:23 | 10:38 | 10:53 | 11:08 | 11:23 |
| Wellesley Farms | | 7:40 | | 7:55 | | 8:10 | | 8:25 | | 8:40 | | 8:55 | | 9:10 | 9:25 | 9:40 | 9:55 | 10:10 | 10:25 | 10:40 | 10:55 | 11:10 | 11:25 |
| Auburndale | | 7:43 | | 7:58 | | 8:13 | | 8:28 | | 8:43 | | 8:58 | | 9:13 | 9:28 | 9:43 | 9:58 | 10:13 | 10:28 | 10:43 | 10:58 | 11:13 | 11:28 |
| West Newton | | 7:45 | | 8:00 | | 8:15 | | 8:30 | | 8:45 | | 9:00 | | 9:15 | 9:30 | 9:45 | 10:00 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 | 11:30 |
| Newtonville | | 7:47 | | 8:02 | | 8:17 | | 8:32 | | 8:47 | | 9:02 | | 9:17 | 9:32 | 9:47 | 10:02 | 10:17 | 10:32 | 10:47 | 11:02 | 11:17 | 11:32 |
| Boston Landing | 7:41 | 7:51 | 7:56 | 8:06 | 8:11 | 8:21 | 8:26 | 8:36 | 8:41 | 8:51 | 8:56 | 9:06 | 9:11 | 9:21 | 9:36 | 9:51 | 10:06 | 10:21 | 10:36 | 10:51 | 11:06 | 11:21 | 11:36 |
| West Station | 7:43 | 7:53 | 7:58 | 8:08 | 8:13 | 8:23 | 8:28 | 8:38 | 8:43 | 8:53 | 8:58 | 9:08 | 9:13 | 9:23 | 9:38 | 9:53 | 10:08 | 10:23 | 10:38 | 10:53 | 11:08 | 11:23 | 11:38 |
| Yawkey | 7:45 | 7:55 | 8:00 | 8:10 | 8:15 | 8:25 | 8:30 | 8:40 | 8:45 | 8:55 | 9:00 | 9:10 | 9:15 | 9:25 | 9:40 | 9:55 | 10:10 | 10:25 | 10:40 | 10:55 | 11:10 | 11:25 | 11:40 |
| Back Bay | 7:48 | 7:58 | 8:03 | 8:13 | 8:18 | 8:28 | 8:33 | 8:43 | 8:48 | 8:58 | 9:03 | 9:13 | 9:18 | 9:28 | 9:43 | 9:58 | 10:13 | 10:28 | 10:43 | 10:58 | 11:13 | 11:28 | 11:43 |
| South Station | 7:50 | 8:00 | 8:05 | 8:15 | 8:20 | 8:30 | 8:35 | 8:45 | 8:50 | 9:00 | 9:05 | 9:15 | 9:20 | 9:30 | 9:45 | 10:00 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 | 11:30 | 11:45 |

Full schedule, “zone express” scenario, outbound trips only

| | Y312 | Y320 | Y327 | Y335 | Y342 | Y357 | Y365 | Y372 | Y380 | Y387 | Y395 | Y402 | Y410 | Y417 | Y423 | Y432 | Y437 | Y447 | Y452 | Y462 | Y467 | Y477 | Y482 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| South Station | 5:12 | 5:20 | 5:27 | 5:35 | 5:42 | 5:57 | 6:05 | 6:12 | 6:20 | 6:27 | 6:35 | 6:42 | 6:50 | 6:57 | 7:03 | 7:12 | 7:17 | 7:27 | 7:32 | 7:42 | 7:47 | 7:57 | 8:02 |
| *** | | | | | | | | | | | | | | | | | | | | | | | |
| Framingham | 5:45 | 5:53 | 6:00 | 6:08 | 6:15 | 6:30 | 6:38 | 6:45 | 6:53 | 7:00 | 7:08 | 7:15 | 7:23 | 7:30 | 7:36 | 7:45 | 7:50 | 8:00 | 8:05 | 8:15 | 8:20 | 8:30 | 8:35 |
| *** | | | | | | | | | | | | | | | | | | | | | | | |
| Worcester | | 6:18 | | 6:33 | | | 7:03 | | 7:18 | | 7:33 | | 7:48 | | 8:01 | | 8:15 | | 8:30 | | 8:45 | | 9:00 |
| | | | | | | | | | | | | | | | | | | | | | OOS | | |
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| | Y492 | Y497 | Y507 | Y512 | Y522 | Y537 | Y542 | Y552 | Y557 | Y567 | Y572 | Y582 | Y597 | Y612 | Y627 | Y642 | Y657 | Y672 | Y687 | Y702 | Y717 |
|---------------|------|------|------|------|------|------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| South Station | 8:12 | 8:17 | 8:27 | 8:32 | 8:42 | 8:57 | 9:02 | 9:12 | 9:17 | 9:27 | 9:32 | 9:42 | 9:57 | 10:12 | 10:27 | 10:42 | 10:57 | 11:12 | 11:27 | 11:42 | 11:57 |
| *** | | | | | | | | | | | | | | | | | | | | | |
| Framingham | 8:45 | 8:50 | 9:00 | 9:05 | 9:15 | 9:30 | 9:35 | 9:45 | 9:50 | 10:00 | 10:05 | 10:15 | 10:30 | 10:45 | 11:00 | 11:15 | 11:30 | 11:45 | 12:00 | 12:15 | 12:30 |
| *** | | OOS | OOS | | | OOS | | | OOS | OOS | | | | | | | | | | | |
| Worcester | | | | 9:30 | | | 10:00 | | | | 10:30 | | 10:55 | | 11:25 | | 11:55 | | 12:25 | | 12:55 |
| | | | | | | | | | | | | | | | | | | | | | |
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Inbound Framingham/Worcester Line EMU times per Alon Levy, express service from West Natick to Boston Landing

| km | station | time from prev (s) | station time (s) | total time (s) | time with 7% pad | minute | time ahead | current P504 |
|------|------------------|--------------------|--|----------------|------------------|--------|------------|--------------|
| 71.3 | Worcester Union | | | 0 | | | | |
| 68.8 | Biotech Park | 103 | 55 | 158 | 169.06 | 3 | 0 | infill |
| 58.7 | Grafton | 276 | 72 | 506 | 541.42 | 10 | 0 | 13 |
| 51.5 | Westborough | 166 | 75 | 747 | 799.29 | 14 | 0 | 17 |
| 44.2 | Southborough | 172 | 68 | 987 | 1056.09 | 18 | 0 | 26 |
| 39.0 | Ashland | 144 | 65 | 1196 | 1279.72 | 22 | 0 | 30 |
| 34.3 | Framingham | 131 | 67 | 1394 | 1491.58 | 25 | 0 | 40 |
| 32.1 | West Natick | 57 | 68 | 1519 | 1625.33 | 28 | 0 | 46 |
| 28.5 | Natick Center | 93 | 0 | 1612 | 1724.84 | 29 | 2 | |
| 23.8 | Wellesley Square | 121 | 0 | 1733 | 1854.31 | 31 | 3 | |
| 21.8 | Wellesley Hills | 66 | 0 | 1799 | 1924.93 | 33 | 4 | |
| 20.3 | Wellesley Farms | 49 | 0 | 1848 | 1977.36 | 33 | 5 | |
| 16.9 | Auburndale | 88 | 0 | 1936 | 2071.52 | 35 | 6 | |
| 15.2 | West Newton | 47 | 0 | 1983 | 2121.81 | 36 | 7 | |
| 13.3 | Newtonville | 53 | 0 | 2036 | 2178.52 | 37 | 9 | |
| 7.5 | Boston Landing | 175 | 55 | 2266 | 2424.62 | 41 | 9 | |
| 6.2 | West Station | 47 | 55 | 2368 | 2533.76 | 43 | 9 | |
| 4.0 | Yawkey | 80 | 55 | 2503 | 2678.21 | 45 | 9 | 69 |
| 2.1 | Back Bay | 99 | 55 | 2657 | 2842.99 | 48 | 9 | 74 |
| 0 | South Station | 98 | 0 | 2755 | 2947.85 | 50 | 9 | 80 |
| | | | assumes 25s dwell at each stop; remaining time is acceleration | | | | | |

Inbound Framingham/Worcester Line EMU times per Alon Levy, superexpress service from Worcester to Boston Landing

| km | station | time from prev (s) | station time (s) | total time (s) | time with 7% pad | minute | time ahead | current P552 |
|------|------------------|--------------------|--|----------------|------------------|--------|------------|--------------|
| 71.3 | Worcester Union | | | 0 | | | | |
| 68.8 | Biotech Park | 103 | 55 | 158 | 169.06 | 3 | 0 | infill |
| 58.7 | Grafton | 276 | 0 | 434 | 464.38 | 8 | 2 | |
| 51.5 | Westborough | 166 | 0 | 600 | 642 | 11 | 3 | |
| 44.2 | Southborough | 172 | 0 | 772 | 826.04 | 14 | 4 | |
| 39.0 | Ashland | 144 | 0 | 916 | 980.12 | 17 | 5 | |
| 34.3 | Framingham | 131 | 67 | 1114 | 1191.98 | 20 | 5 | |
| 32.1 | West Natick | 57 | 0 | 1171 | 1252.97 | 21 | 7 | |
| 28.5 | Natick Center | 93 | 0 | 1264 | 1352.48 | 23 | 8 | |
| 23.8 | Wellesley Square | 121 | 0 | 1385 | 1481.95 | 25 | 9 | |
| 21.8 | Wellesley Hills | 66 | 0 | 1451 | 1552.57 | 26 | 10 | |
| 20.3 | Wellesley Farms | 49 | 0 | 1500 | 1605 | 27 | 11 | |
| 16.9 | Auburndale | 88 | 0 | 1588 | 1699.16 | 29 | 12 | |
| 15.2 | West Newton | 47 | 0 | 1635 | 1749.45 | 30 | 14 | |
| 13.3 | Newtonville | 53 | 0 | 1688 | 1806.16 | 31 | 15 | |
| 7.5 | Boston Landing | 175 | 55 | 1918 | 2052.26 | 35 | 15 | |
| 6.2 | West Station | 47 | 55 | 2020 | 2161.4 | 37 | 15 | infill |
| 4.0 | Yawkey | 80 | 55 | 2155 | 2305.85 | 39 | 15 | 55 |
| 2.1 | Back Bay | 99 | 55 | 2309 | 2470.63 | 42 | 15 | 60 |
| 0 | South Station | 98 | 0 | 2407 | 2575.49 | 43 | 15 | 66 |
| | | | assumes 25s dwell at each stop; remaining time is acceleration | | | | | |

Inbound Framingham/Worcester Line EMU times per Alon Levy, infill stations omitted, Framingham short-turn

| km | station | time from prev (s) | station time (s) | total time (s) | time with 7% pad | minute | current P512 | savings | | | |
|------|------------------|---|------------------|----------------|------------------|--------|--------------|---------|--|--|--|
| 71.3 | Worcester Union | | | | | | | | | | |
| 68.8 | Biotech Park | | | | | | | | | | |
| 58.7 | Grafton | | | | | | | | | | |
| 51.5 | Westborough | | | | | | | | | | |
| 44.2 | Southborough | | | | | | | | | | |
| 39.0 | Ashland | | | | | | | | | | |
| 34.3 | Framingham | 0 | 0 | 0 | 0 | 0 | 41 | 41 | | | |
| 32.1 | West Natick | 57 | 68 | 125 | 133.75 | 3 | 46 | 43 | | | |
| 28.5 | Natick Center | 93 | 68 | 286 | 306.02 | 6 | 51 | 45 | | | |
| 23.8 | Wellesley Square | 121 | 63 | 470 | 502.9 | 9 | 56 | 47 | | | |
| 21.8 | Wellesley Hills | 66 | 58 | 594 | 635.58 | 11 | 60 | 49 | | | |
| 20.3 | Wellesley Farms | 49 | 64 | 707 | 756.49 | 13 | 63 | 50 | | | |
| 16.9 | Auburndale | 88 | 67 | 862 | 922.34 | 16 | 68 | 52 | | | |
| 15.2 | West Newton | 47 | 65 | 974 | 1042.18 | 18 | 71 | 53 | | | |
| 13.3 | Newtonville | 53 | 65 | 1092 | 1168.44 | 20 | 74 | 54 | | | |
| 7.5 | Boston Landing | 175 | 55 | 1322 | 1414.54 | 24 | 79 | 55 | | | |
| 6.2 | West Station | 47 | 55 | 1424 | 1523.68 | 26 | infill | infill | | | |
| 4.0 | Yawkey | 80 | 55 | 1559 | 1668.13 | 28 | 84 | 56 | | | |
| 2.1 | Back Bay | 99 | 55 | 1713 | 1832.91 | 31 | 89 | 58 | | | |
| 0 | South Station | 98 | 0 | 1811 | 1937.77 | 33 | 94 | 61 | | | |
| | | 25s dwell at each stop; remaining time is acceleration penalty if I understand Alon correctly | | | | | | | | | |

Inbound Framingham/Worcester Line EMU times per Alon Levy, infill stations omitted, Riverside Jct. short-turn

| km | station | time from prev (s) | station time (s) | total time (s) | time with 7% pad | minute | | | | | |
|------|------------------|---|------------------|----------------|------------------|--------|--|--|--|--|--|
| 71.3 | Worcester Union | | | | | | | | | | |
| 68.8 | Biotech Park | | | | | | | | | | |
| 58.7 | Grafton | | | | | | | | | | |
| 51.5 | Westborough | | | | | | | | | | |
| 44.2 | Southborough | | | | | | | | | | |
| 39.0 | Ashland | | | | | | | | | | |
| 34.3 | Framingham | | | | | | | | | | |
| 32.1 | West Natick | | | | | | | | | | |
| 28.5 | Natick Center | | | | | | | | | | |
| 23.8 | Wellesley Square | | | | | | | | | | |
| 21.8 | Wellesley Hills | | | | | | | | | | |
| 20.3 | Wellesley Farms | | | | | | | | | | |
| 16.9 | Auburndale | 0 | 0 | 0 | 0 | 0 | | | | | |
| 15.2 | West Newton | 47 | 65 | 112 | 119.84 | 2 | | | | | |
| 13.3 | Newtonville | 53 | 65 | 230 | 246.1 | 5 | | | | | |
| 7.5 | Boston Landing | 175 | 55 | 460 | 492.2 | 9 | | | | | |
| 6.2 | West Station | 47 | 55 | 562 | 601.34 | 11 | | | | | |
| 4.0 | Yawkey | 80 | 55 | 697 | 745.79 | 13 | | | | | |
| 2.1 | Back Bay | 99 | 55 | 851 | 910.57 | 16 | | | | | |
| 0 | South Station | 98 | 0 | 949 | 1015.43 | 17 | | | | | |
| | | 25s dwell at each stop; remaining time is acceleration penalty if I understand Alon correctly | | | | | | | | | |

2012 CTPS F/W inbound passenger loads, by arrival time at South Station

| km | departing station | 6:31 | 7:08 | 7:46 | 8:11 | 8:23 | 8:56 | 9:08 | 9:35 | 10:00 | 12:05 |
|------|-------------------|------|------|------|------|------|------|------|------|-------|-------|
| 71.3 | Worcester Union | 21 | 136 | 49 | 65 | 199 | | 129 | | 81 | 42 |
| 58.7 | Grafton | 30 | 199 | 75 | 92 | 326 | | 179 | | 108 | 45 |
| 51.5 | Westborough | 43 | 293 | 99 | 125 | 500 | | 255 | | 124 | 53 |
| 44.2 | Southborough | 58 | 379 | 120 | 165 | 630 | | 328 | | 146 | 60 |
| 39.0 | Ashland | 68 | 470 | 153 | 216 | 789 | | 380 | | 159 | 62 |
| 34.3 | Framingham | 91 | 594 | 233 | 313 | 952 | 75 | 421 | 47 | 199 | 80 |
| 32.1 | West Natick | 126 | 737 | 334 | 401 | 1066 | 166 | 451 | 84 | 249 | 100 |
| 28.5 | Natick Center | 156 | | 413 | 465 | 1171 | 250 | 485 | 105 | 273 | 119 |
| 23.8 | Wellesley Square | 179 | | 513 | 560 | | 331 | 524 | 130 | 288 | 135 |
| 21.8 | Wellesley Hills | 194 | | 558 | 610 | | 363 | 537 | 140 | 289 | 137 |
| 20.3 | Wellesley Farms | 205 | | 602 | 691 | | 403 | 571 | 159 | 298 | 141 |
| 16.9 | Auburndale | 217 | | 638 | 728 | | 445 | | 166 | | 142 |
| 15.2 | West Newton | 221 | | 671 | 758 | | 498 | | 184 | | 145 |
| 13.3 | Newtonville | 249 | | 715 | 800 | | 569 | | 207 | | 148 |
| 4.0 | Yawkey | 222 | 616 | 632 | 710 | | 477 | | | | |
| 2.1 | Back Bay | 161 | 439 | 359 | 392 | 647 | 332 | 279 | 119 | 201 | 76 |

2012 CTPS F/W inbound net boardings, by arrival time at South Station

| km | departing station | 6:31 | 7:08 | 7:46 | 8:11 | 8:23 | 8:56 | 9:08 | 9:35 | 10:00 | 12:05 |
|------|-------------------|------|------|------|------|------|------|------|------|-------|-------|
| 71.3 | Worcester Union | 21 | 136 | 49 | 65 | 199 | | 129 | | 81 | 42 |
| 58.7 | Grafton | 9 | 63 | 26 | 27 | 127 | | 50 | | 27 | 3 |
| 51.5 | Westborough | 13 | 94 | 24 | 33 | 174 | | 76 | | 16 | 8 |
| 44.2 | Southborough | 15 | 86 | 21 | 40 | 130 | | 73 | | 22 | 7 |
| 39.0 | Ashland | 10 | 91 | 33 | 51 | 159 | | 52 | | 13 | 2 |
| 34.3 | Framingham | 23 | 124 | 80 | 97 | 163 | 75 | 41 | 47 | 40 | 18 |
| 32.1 | West Natick | 35 | 143 | 101 | 88 | 114 | 91 | 30 | 37 | 50 | 20 |
| 28.5 | Natick Center | 30 | | 79 | 64 | 105 | 84 | 34 | 21 | 24 | 19 |
| 23.8 | Wellesley Square | 23 | | 100 | 95 | | 81 | 39 | 25 | 15 | 16 |
| 21.8 | Wellesley Hills | 15 | | 45 | 50 | | 32 | 13 | 10 | 1 | 2 |
| 20.3 | Wellesley Farms | 11 | | 44 | 81 | | 40 | 34 | 19 | 9 | 4 |
| 16.9 | Auburndale | 12 | | 36 | 37 | | 42 | | 7 | | 1 |
| 15.2 | West Newton | 4 | | 33 | 30 | | 53 | | 18 | | 3 |
| 13.3 | Newtonville | 28 | | 44 | 42 | | 71 | | 23 | | 3 |
| 4.0 | Yawkey | -27 | -121 | -83 | -90 | | -92 | | | | |
| 2.1 | Back Bay | -61 | -177 | -273 | -318 | -524 | -145 | -292 | -88 | -97 | -72 |