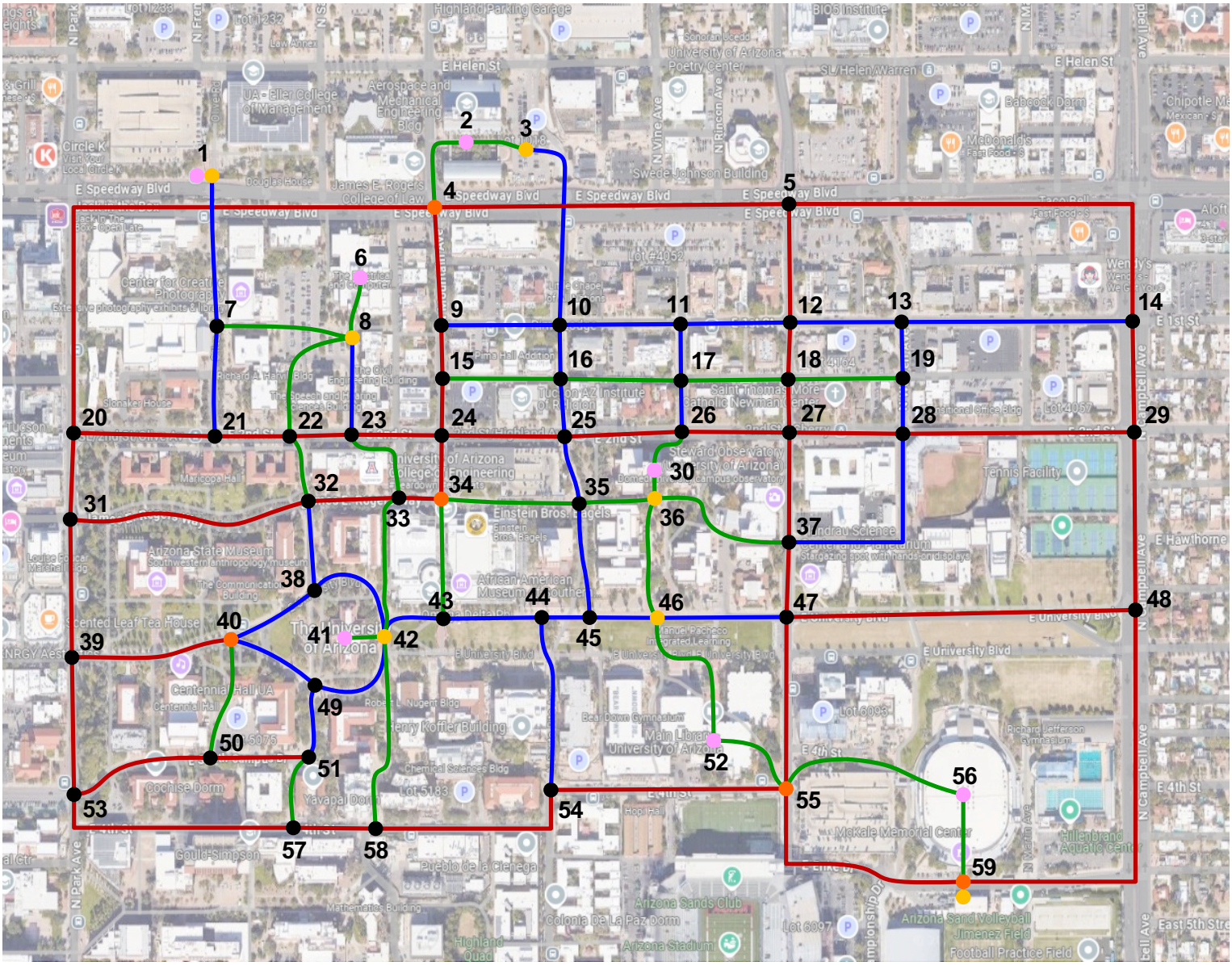
**Original Map:**



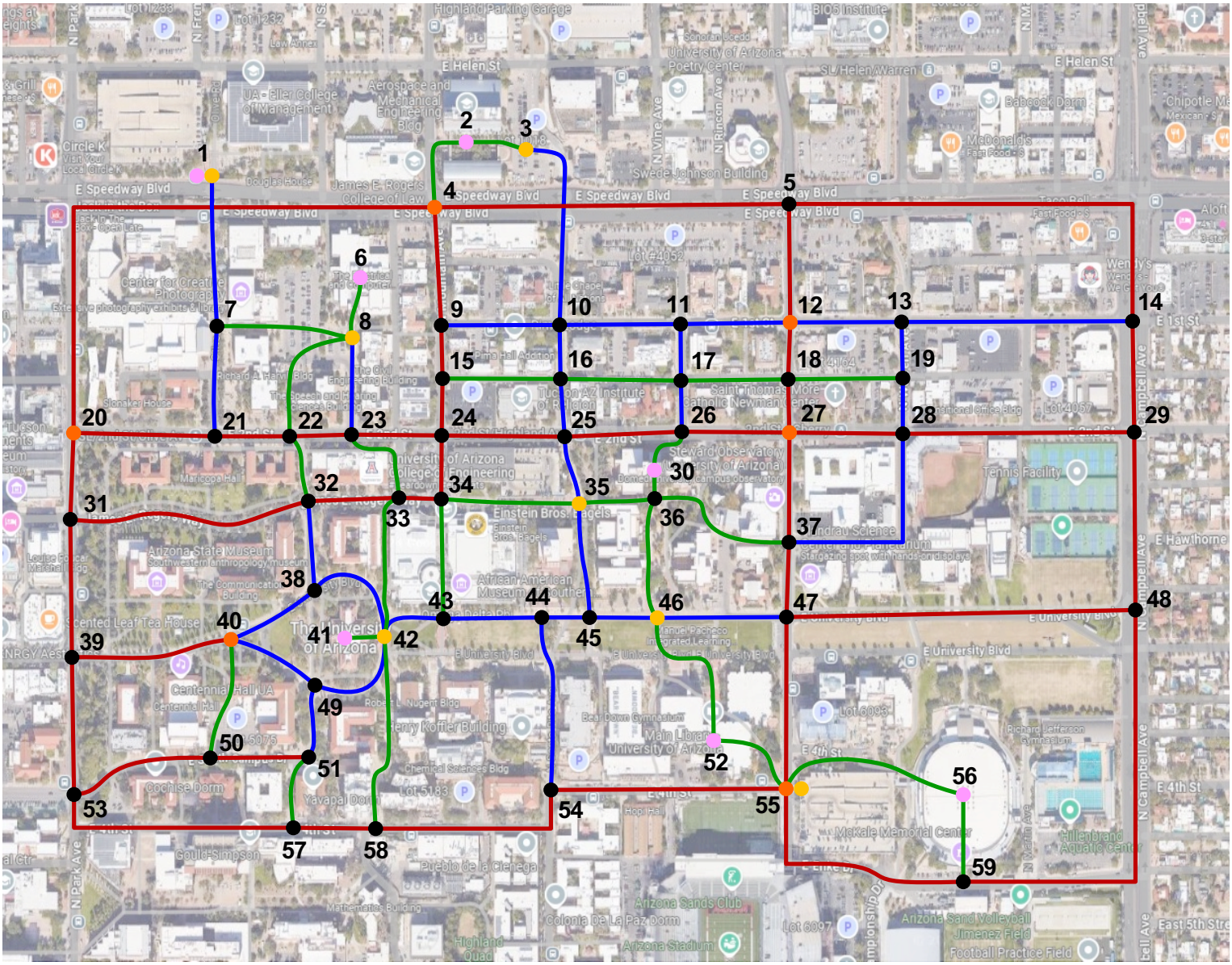

**Edges:**

| | | |
|---|---|---|
| | **Red** | Walk, Bike, CatTran |
| | **Blue** | Walk, Bike |
| | **Green** | Walk |

**Nodes:**

| | | |
|---|---|---|
| | **Pink** | Destination Building |
| | **Orange** | CatTran Stop |
| | **Yellow** | Bike Depot |
| | **Black** | Intersection |

**Updated Map:**




**Edges:**

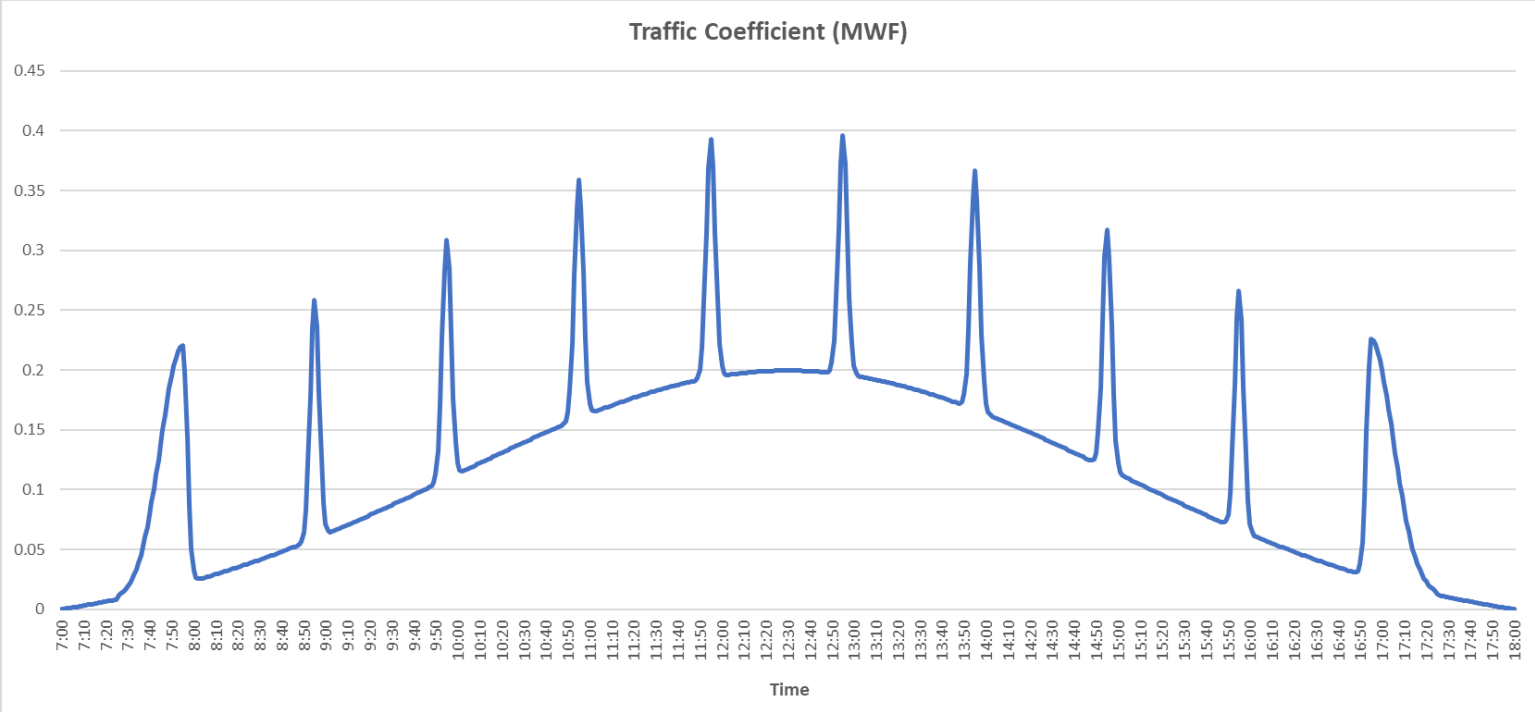
| | | |
|---|---|---|
| | **Red** | Walk, Bike, CatTran |
| | **Blue** | Walk, Bike |
| | **Green** | Walk |

**Nodes:**

| | | Added | Removed |
|---|---|---|---|
| | **Pink** | Destination Building | | |
| | **Orange** | CatTran Stop | 12, 20, 27 | 34, 59 |
| | **Yellow** | Bike Depot | 35, 55 | 36, 59 |
| | **Black** | Intersection | | |

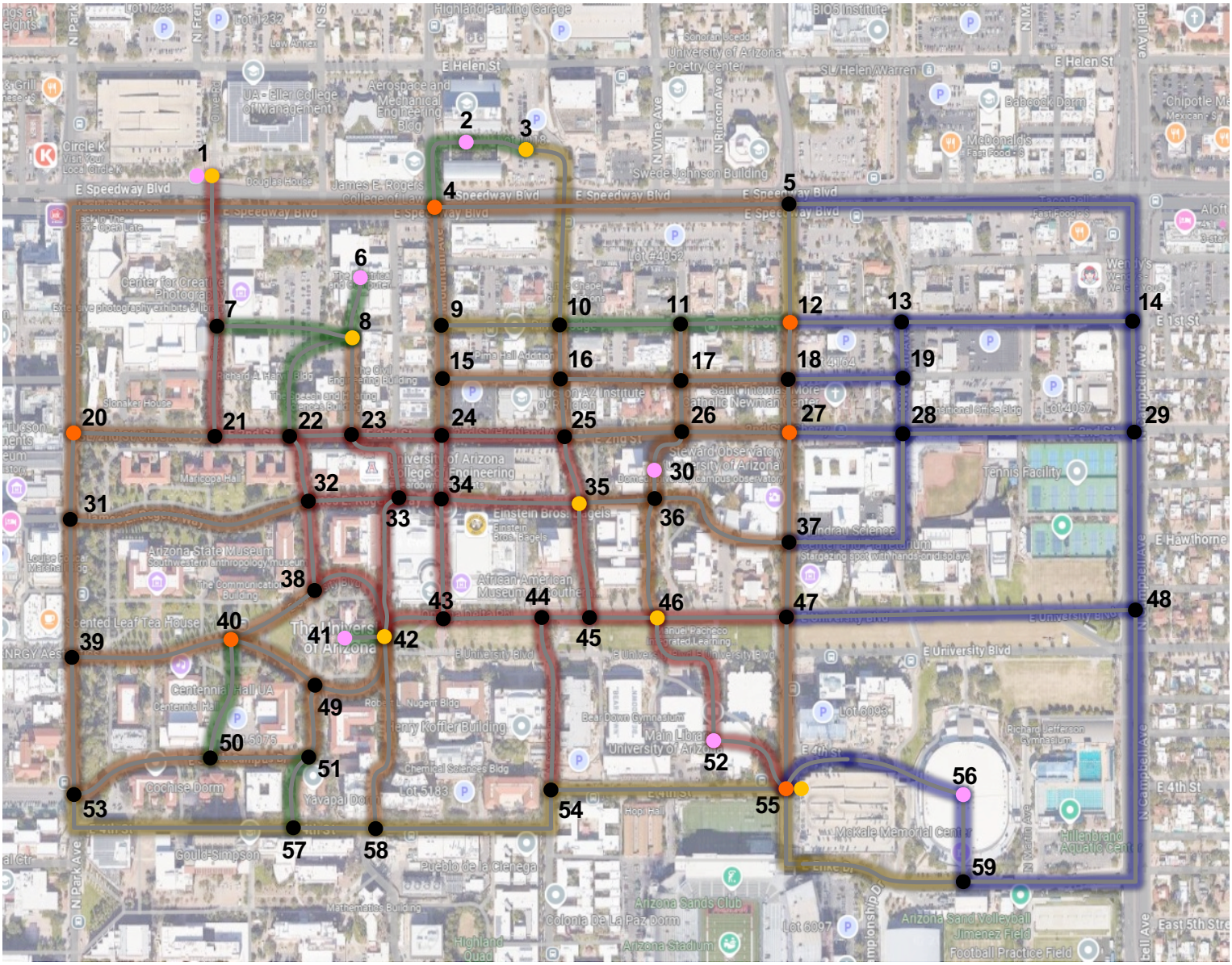
**Bus Route** (Modified from Green and Purple lines):
12→18→27→37→47→55→54→58→57→53→39→40→39→31→20→4→5→12

**Traffic Coefficient** (vs Time):




Assumed M/W/F schedule

**Traffic Rating** (vs Location):




**Traffic Rating:**

| | | | |
|---|---|---|---|
| | **Red** | 5 | The ***most*** affected by traffic between classes |
| | **Orange** | 4 | |
| | **Yellow** | 3 | |
| | **Green** | 2 | |
| | **Blue** | 1 | The ***least*** affected by traffic between classes |

**Bus Schedule:**

| Node | 12 | 27 | 55 | 40 | 20 | 4 |
|---|---|---|---|---|---|---|
| CatTran Schedule | 7:00 | 7:01 | 7:03 | 7:10 | 7:13 | 7:17 |
| | 7:20 | 7:21 | 7:23 | 7:30 | 7:33 | 7:37 |
| | 7:40 | 7:41 | 7:43 | 7:50 | 7:53 | 7:57 |
| | 8:00 | 8:01 | 8:03 | 8:10 | 8:13 | 8:17 |
| | 8:20 | 8:21 | 8:23 | 8:30 | 8:33 | 8:37 |
| | 8:40 | 8:41 | 8:43 | 8:50 | 8:53 | 8:57 |
| | 9:00 | 9:01 | 9:03 | 9:10 | 9:13 | 9:17 |
| | 9:20 | 9:21 | 9:23 | 9:30 | 9:33 | 9:37 |
| | 9:40 | 9:41 | 9:43 | 9:50 | 9:53 | 9:57 |
| | 10:00 | 10:01 | 10:03 | 10:10 | 10:13 | 10:17 |
| | 10:20 | 10:21 | 10:23 | 10:30 | 10:33 | 10:37 |
| | 10:40 | 10:41 | 10:43 | 10:50 | 10:53 | 10:57 |
| | 11:00 | 11:01 | 11:03 | 11:10 | 11:13 | 11:17 |
| | 11:20 | 11:21 | 11:23 | 11:30 | 11:33 | 11:37 |
| | 11:40 | 11:41 | 11:43 | 11:50 | 11:53 | 11:57 |
| | 12:00 | 12:01 | 12:03 | 12:10 | 12:13 | 12:17 |
| | 12:20 | 12:21 | 12:23 | 12:30 | 12:33 | 12:37 |
| | 12:40 | 12:41 | 12:43 | 12:50 | 12:53 | 12:57 |
| | 13:00 | 13:01 | 13:03 | 13:10 | 13:13 | 13:17 |
| | 13:20 | 13:21 | 13:23 | 13:30 | 13:33 | 13:37 |
| | 13:40 | 13:41 | 13:43 | 13:50 | 13:53 | 13:57 |
| | 14:00 | 14:01 | 14:03 | 14:10 | 14:13 | 14:17 |
| | 14:20 | 14:21 | 14:23 | 14:30 | 14:33 | 14:37 |
| | 14:40 | 14:41 | 14:43 | 14:50 | 14:53 | 14:57 |
| | 15:00 | 15:01 | 15:03 | 15:10 | 15:13 | 15:17 |
| | 15:20 | 15:21 | 15:23 | 15:30 | 15:33 | 15:37 |
| | 15:40 | 15:41 | 15:43 | 15:50 | 15:53 | 15:57 |
| | 16:00 | 16:01 | 16:03 | 16:10 | 16:13 | 16:17 |
| | 16:20 | 16:21 | 16:23 | 16:30 | 16:33 | 16:37 |
| | 16:40 | 16:41 | 16:43 | 16:50 | 16:53 | 16:57 |
| | 17:00 | 17:01 | 17:03 | 17:10 | 17:13 | 17:17 |
| | 17:20 | 17:21 | 17:23 | 17:30 | 17:33 | 17:37 |
| | 17:40 | 17:41 | 17:43 | 17:50 | 17:53 | 17:57 |
| | 18:00 | 18:01 | 18:03 | 18:10 | 18:13 | 18:17 |