



Aleksandr Dobkin, Michael Choi, Christopher Mills
<http://busradarapp.com/>

How it started

- BusRadar is a mobile application for the Android platform that will simplify your bus-riding experience in the Madison, WI area!
- Class project for UW–Madison course
 - Aleksandr Dobkin
 - Michael Choi
 - Christopher Mills
- Timeline
 - January 30, 2010: First Meeting
 - March 6, 2020: Main project work begun
 - May 11, 2010: First version published

When is the bus coming?

- Problem: You're waiting for the bus.
 - How long do you have to wait?
- Data is available
 - Thank-you Metro.
- Data is not easily accessible for people at the bus stop
 - Takes too long. Have to know where you are.
- Make the data easily accessible using smartphone
 - Use GPS to find location
 - Answers in just one tap

Project Proposal

app title: (Madison) Bus Radar

group members: Michael Choi, Aleksandr Dobkin, Chris Mills

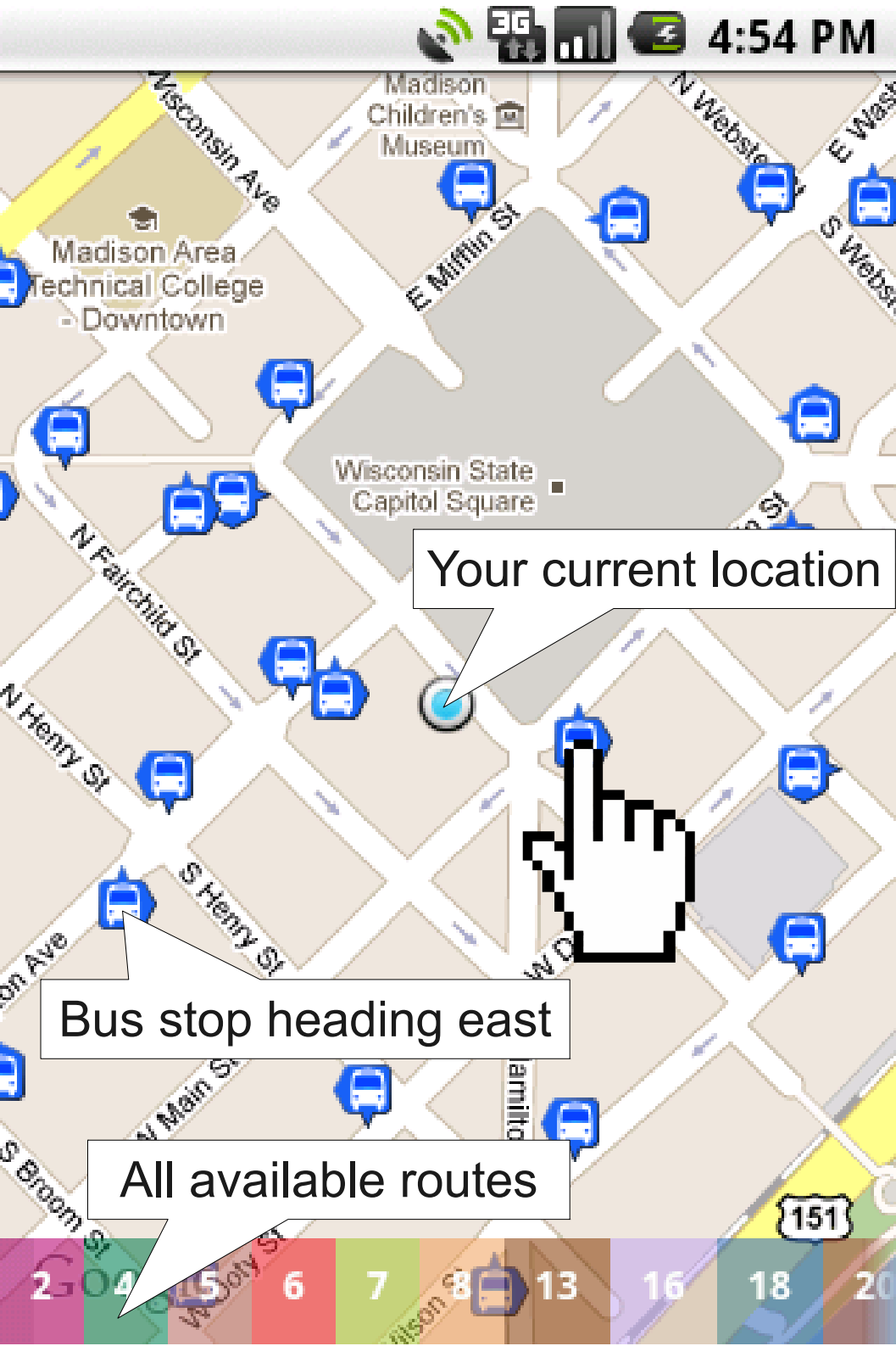
What is Bus Radar?

This application is designed to help people to make use of the Madison Metro System by helping them quickly ascertain bus arrival times.

A major feature is to provide bus arrival times at the bus stops in the user's vicinity. The application will use the phone's onboard GPS to determine the user's current location and plot his location on the map along with a selection of nearby bus stops. The user will be able to choose one of the stops and the application will display, for each route that makes stops at that location, the estimated arrival time for the next three buses.

Where does the data come from?

- Bus arrival times
 - Metro Transit Stop Tracker
 - Real-Time
- Bus coordinates
 - Metro-Transit Map Tracker
 - Real-Time
- Bus Stop information & coordinates
 - Bus Stop Departures webpage & Map Tracker
- Route Shapes
 - Metro-Transit Map Tracker



Main Screen

- Map with user's location in the center
- Bus stops shown on map
- Route bar on the bottom (more on this later)

99 Main St (W) & Carroll St (S)

Loading route 19...



[1101]

1

2

3

4

5

6

7

8

11

6

4:57 PM

to E TOWNE

2

5:04 PM

to NORTH TP

8

5:11 PM

to CAP SQR

8

5:11 PM

to SP HRBR

7

5:22 PM

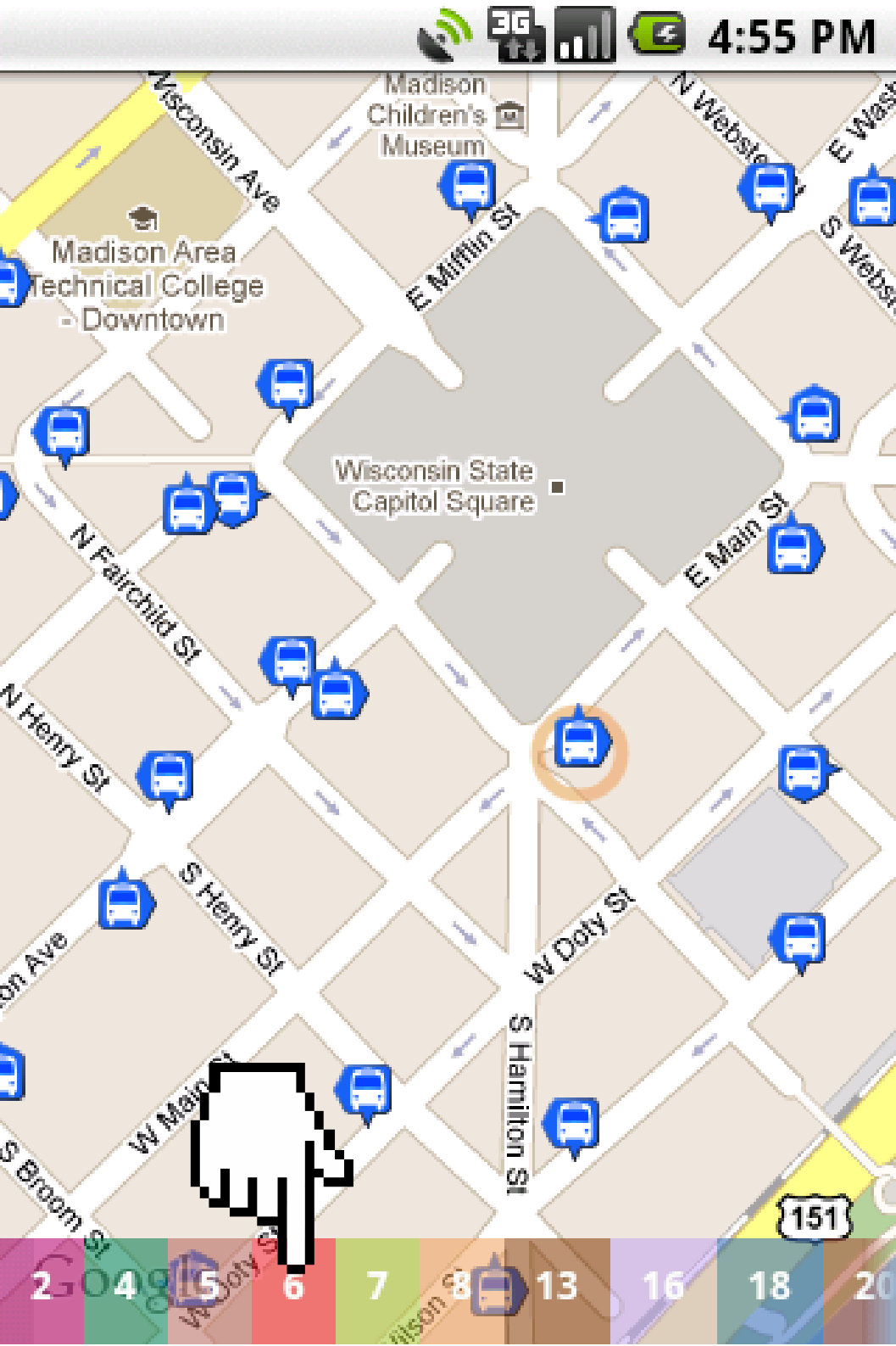
to EAST TP:TOKAY

4

5:26 PM

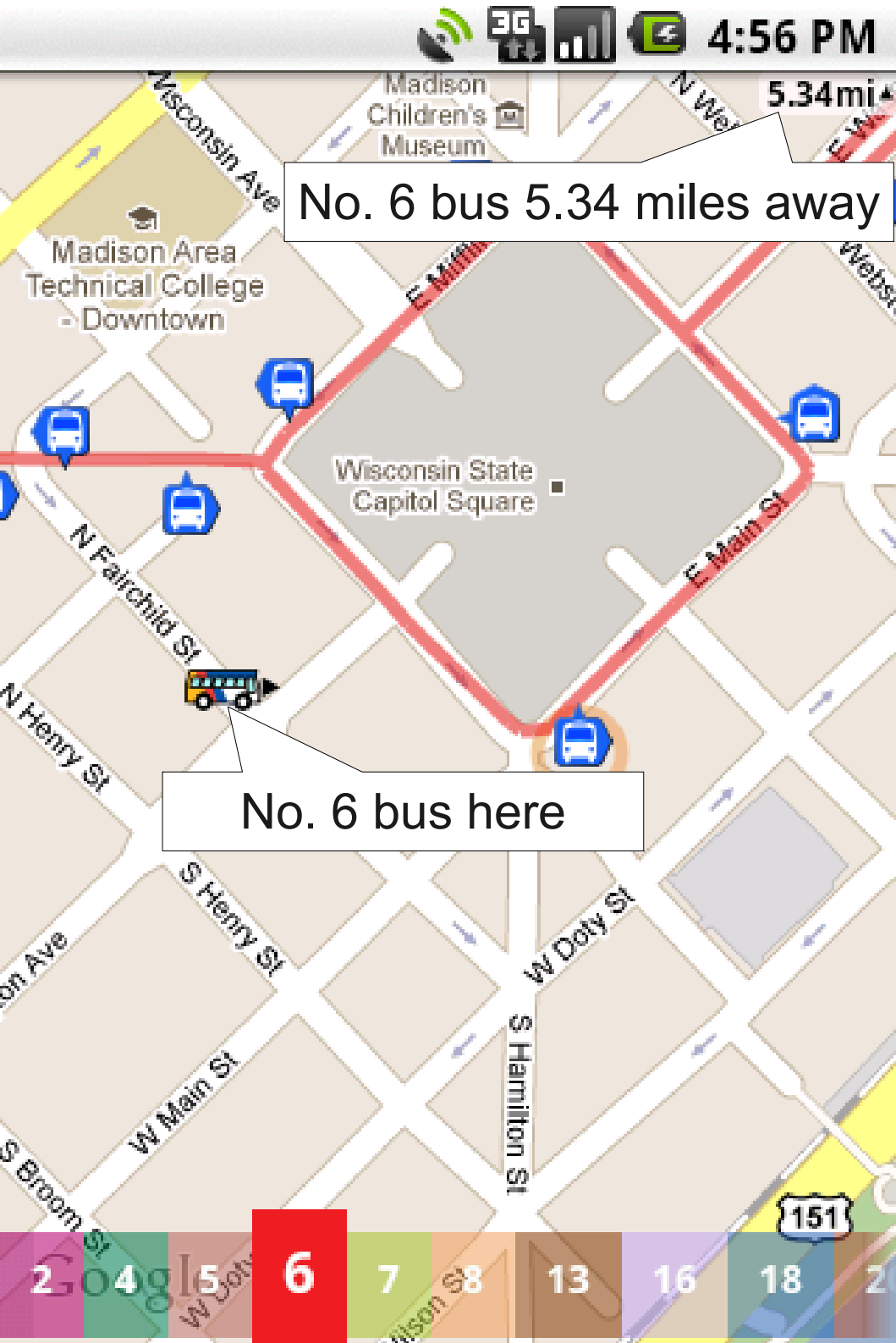
Arrival Times

- Next three bus arrivals for every route passing through the stop
- Listing color-coded in chronological order
- Filterable by route



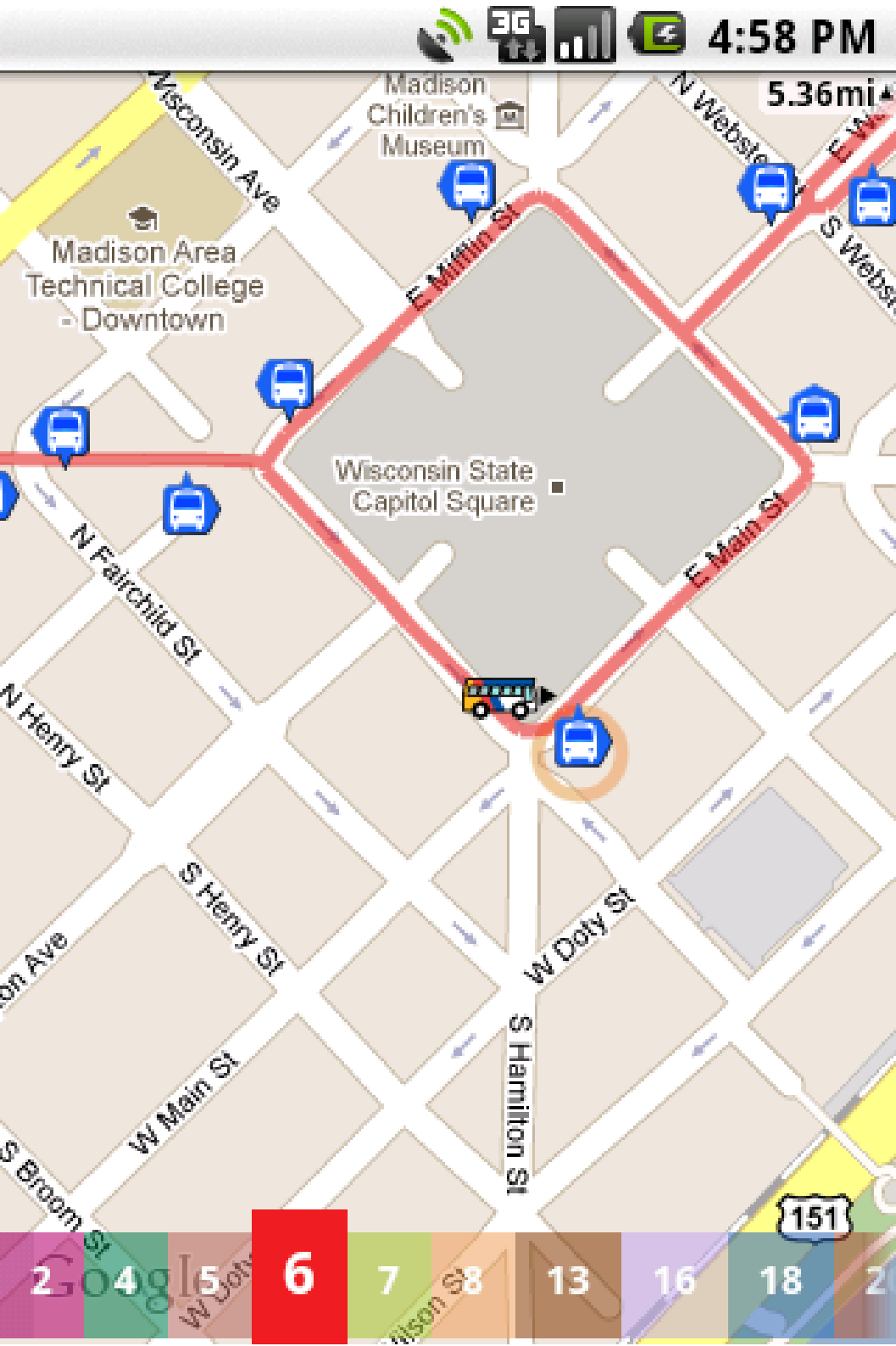
Route Bar

- Display all available routes now running



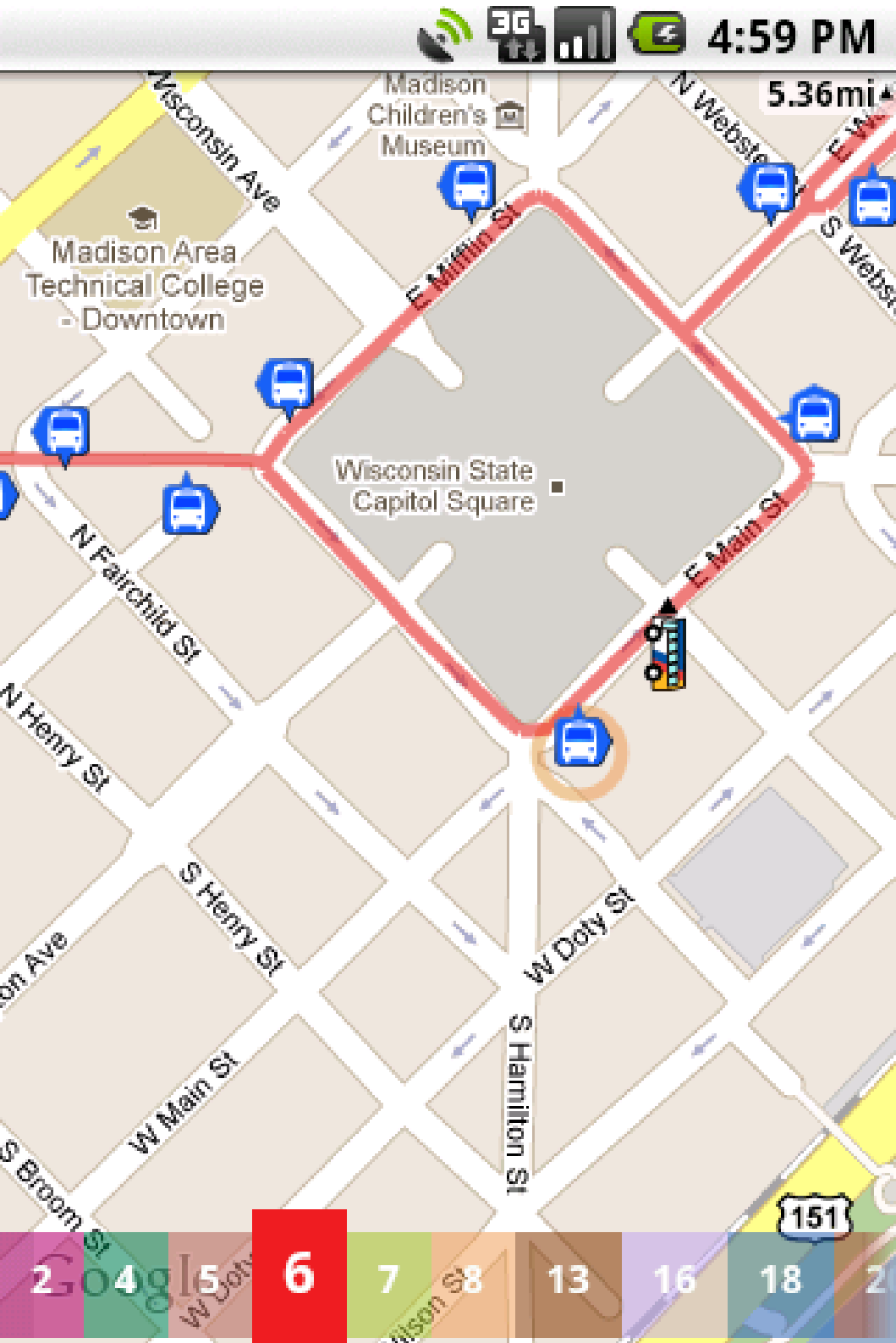
Route Bar

- Display all available routes now running
- Filter stops by route
- Highlight route on map
- Show bus positions



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Availability

- Available on Android Marketplace FREE
- Over 4,000 downloads & over 2,000 active users in just over a year
- Five stars & many positive comments

What's Next

- iPhone version
- HTML5 version
 - Cross-Platform: iPhone, Windows Phone 7, Blackberry, etc
- Other cities

Contact

- Website: <http://busradarapp.com/>
- Email: support@busradarapp.com
- Twitter: <http://twitter.com/BusRadar>
- Android Market
 - <https://market.android.com/details?id=busradar.madison>