Balloon Fiesta Traffic

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The definition of the problem:

Every year at the Albuquerque International Balloon Fiesta the traffic is chaotic. This can affect many visitors and residents. This traffic can cause accidents. Visitors can think this is unpleasing and frustrating. The major traffic can result in inconvenience to visitors. This also impacts the people in the community that are going to work, school or important events. Also people have to go earlier than usual to not get stuck in traffic. Lastly there is little to no parking in the parking lots.

Model:

We will be using Netlogo to simulate the traffic in the Balloon Fiesta. Transportation that we will include are, cars, buses, and bicycles. We will include stoplights, police guards, stop signs and crossing guards. Our simulation will show various streets. This will help show how the traffic moves and affects the bicyclists. This model will represent how the traffic impacts the mood of the crowd. We will also include a bike valet location that is new to the balloon fiesta this year. These are the many variables we will use in our model in Netlogo.

Progress to date:

So far we have completed many tasks that help us progress. We have been in contact with a civil engineering designer, Sgt. Zak Cottrell, Albuquerque Police Department, Traffic division/motor unit. Sgt. Zak has also sent us different maps of the roads created and used during the balloon fiesta this year. Since Sgt. Zak

Cottrell gave us these maps we are now able to design the roads and stoplights in Netlogo.We have also attached the survey that we gave to Sgt. Zak Cottrell.

Expected to date:
We will want to further our progress by working more on our Netlogo representation of the balloon fiesta traffic. We will also want to advance more on our research. As well as creating a survey to show the inconvenience of this traffic.
Balloon Fiesta Questions

References:

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http://www.balloonfiesta.com/guest-guide/park-ride

http://krqe.com/2014/10/12/teacher-arrested-in-balloon-fiesta-traffic/