

Parking at Salem State College



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GGR 320

20 April 2006

Goal

My goal is to be able to find the perfect location to build a parking garage for Salem State College



Problems with Current Parking

- Not enough spaces for all commuters or for freshmen to have cars on campus
- O'Keefe and South Campus parking lots flood when it rains or snows and you lose half of the parking spots
- The parking lots are spread out so if you can't find a spot in one, you have to drive all the way to another
- Parking on the street is limited

“Is it just me or am I the only person who feels like the Parking lot at the Gym is a lot like Fording the rivers in Oregon Trail...though my car does better than a wagon and oxen!”

Colleges Views on a Parking Garage

- It's been discussed in the past
- Garages cost much more than parking lots
- School doesn't want to have those expenses right now

Criteria

- Must be within a reasonable distance from the college
- Should be centrally located in relation to all the campuses
- The lots need to be large enough to fit a parking garage
- The shuttle needs to have access to the location
- The lots can not already be occupied by something; ideally they should be large open spaces

Methodology

- Download data from online
- Add Land Use, Orthophoto, and Street Layers to map
- Locate Open Land, Urban Open, and Urban Public land uses using 'Select by Attributes'

Open Areas



Methodology

- Locate School Campuses
- Use 'Select by Location' to find any open spaces within 500 meters of any campus



Methodology

- Choose the two locations that are cover the most criteria



First Location

Pros:

- * Centrally Located
- * 2nd access off of Monroe Rd.
- * Don't necessarily need new shuttle stop
- * Empty Plain-no clear cutting needed
- * Large enough to hold a parking garage

Cons:

- * If second access is added on Monroe Rd, residents of Monroe Rd. may not be agreeable to have so many cars drive down their road on a daily basis

First Location



Second Location

Pros:

- *Centrally located
- *The shuttle would have access to it
- *Already on the shuttle route
- *Within walking distance of Central, North, and O'Keefe campuses
- *Large enough to hold a parking garage

Cons:

- *Would need a lot of clear cutting
- *Surrounded by several businesses who may not appreciate having many cars drive by them every day
- *The road is not defined-looks more like a parking lot
- *Lot is surrounded by a fence which separates it from the businesses

Second Location



Other Options

- Another option would be to build a parking garage on top of one or more of the parking lots that are already in place
- Problems: The parking lots would need to be closed during the building process and that would mean there would be even less parking. If it was built during summer, there would still be limited parking for students taking summer courses and there is a chance that it would not be finished by the start of the fall semester



Conclusion

- The first location, adjacent to Central Campus, is the most ideal location
 - Largest lot
 - Most centrally located
 - Easiest to access
 - Wouldn't need to do much leveling or clear cutting
 - Don't necessarily need a new shuttle stop

Data

- Map of Salem Campus received from www.salemstate.edu
- Data was received from www.mass.gov/mgis
 - Land Use, Orthophoto, and street layers