Campus Commuter Bus Route

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Goals

- to reduce emissions from less commuters
- Reduction of personal expenses
- Reduce stress on parking situation
- More study/relaxation time before and after class
- Provide work study jobs
Routes

Two buses

One bus running from Johnson to Jeffersonville (8 miles)

One bus running from Johnson to Morrisville (8 miles)

Around 50 miles per day
Schedule

- Monday-Thursday
- Pick-up times 8:00am
- Arrive at school 8:30am
- Leave school at 12:00pm
- Drop off on Jeff and Mo-Vegas 12:30pm
- Return to school by 1:00pm
- Leave school at 5:15pm
- Arrives in Jeff and Mo-Vegas 5:30pm
Scenario one: Use preexisting campus vans

Cost: New van around $30,000
Specifications:
Capacity 12 passenger
Engine: 5.4L V8
Tank Capacity: 35 gallons
Range: 525 miles
Fill-up cost: $87.50
Scenario Two: purchase two used school buses

Cost: Two buses $3700 a piece
Specifications:
Capacity: 12 passenger/wheelchair accessible
Engine: 7.3L diesel
Tank capacity: 30 gallons
MPG’s: 7-8
Range: 210-240 miles
Fill-up cost: aprox. $75.00
Bus Interior
Scenario Three: Run buses on biodeisel

- Same mpg’s as before
- Reduction of emissions
- Support local biodiesel makers
- Set a good example for the community
Weekly costs

- 50 miles per day 4 days/wk
- 200 miles/wk
- Van costs: $33 per week fuel costs
- Diesel and Bio-diesel Bus: $60 per week
Conclusions

- Using preexisting vans are cheapest but run on gas
- Bio-diesel would be more Environmentally Friendly but more expensive to run
- Easier to get license for Vans than buses
- More costs would have to be calculated (maintanance, insurance)
- Research on the number of potential passengers would have to be done