TRANSPORTATION BASICS

1. **Determining the value of time.** How valuable is your time, especially as it relates to travel?

   A. (10 points) Imagine a case in which you could spend 75 cents to take a 5-minute bus ride, instead of walking 15 minutes to the same destination. How much would your time be worth if your decision is to take the bus?

   B. (15 points) Devise and clearly describe another experiment to determine the Value of Time (VoT), provide actual or hypothetical values for the experiment, then calculate the VoT value from that experiment.

   C. (10 points) What would be the flaws in "experiments" such as those in Parts A and B?

2. (30 points) **The "transportation disadvantaged".** Think of an adult you know who does not drive a car. Why is it the case that that person is a non-driver? How does that person make the trips he/she needs to? What can the transportation professional do to increase that person's mobility?

3. (35 points) **Specifications for Trash Collection.** The city council of Shoridan has become concerned about Saturday morning automobile traffic at the City Dump, because each household must dispose of its own trash. There also has been a rash of illegal dumping of trash by the residents in vacant lots and along roads. The city has purchased property in the hills at the edge of the city. That property is suitable for a landfill that will last 30 to 60 years. The council members now want to hire a company to provide curbside trash pick-up service and transport it to the landfill. The city will pay for the landfill operations and the road needed to reach the landfill by charging dumpers a "yet to be determined" fee. The private company will also need to provide some recycling services. The council, therefore, has asked you, a consultant, to help them prepare the specification for the service that the prospective bidders will respond to. Using the general criteria for system specifications and your knowledge of the kind of services needed, prepare a set of specifications for the council to use in framing their Request for Proposal.