

Lab Session 6

Network Analyst

Preparation

Data set : C:\esri\av_gis30\avtutor\network\

Extension ArcView.: Select Extension Network Analyst

1. Network Analyst

- Open the existing project “C:\esri\av_gis30\avtutor\network\qstart.apr”
- **Exercise 1: Find the best route**
 - ◇ Open view *Delivery Route*
 - ◇ Make *Streets* theme active
 - ◇ Select **Find Best Route** from Network menu
 - ◇ Define the start location: click **Add Location by Address button**, enter **60 Spear St**
 - ◇ Press **Load Stop** and select *Deliveries* theme (or if you want to select two or more point by click select in the deliveries table file after that click load stop then the selected stop point will appear all in your list.)
 - ◇ Check **Find best order** box and **Return to origin**
 - ◇ Click **Solve** button.
 - ◇ Look at the direction.
 - ◇ Try changing the Cost field in **Properties** to compare the result routes
- **Exercise 2: Find the closest facility**
 - ◇ Open view *Closest Hospital*
 - ◇ Make *Streets* theme active
 - ◇ Select **Find Closest Facility** from Network menu
 - ◇ Check Travel to event
 - ◇ Click **Add Location by Address** button, enter **Polk & Lombard**
 - ◇ Press the Properties button and select **DRIVETIME** for the Cost field
 - ◇ Click Solve button