

ISyE 4111
Advanced Supply Chain Logistics
Fall 2010

Reading Assignment 4
Due Date: September 28, 2010

Read the materials below in preparation for discussion in class. The questions are intended to guide your reading and thoughts, but are not the only aspects that will be discussed in class.

1. Bartholdi, J.J., Platzman, L.K., Collins, R.L., and Warden, W.H., “A Minimal Technology Routing System for Meals on Wheels”, *Interfaces*, vol. 13, nr. 3, pp. 1–8, 1983.
 - (a) What were the requirements for a routing system for the Meals on Wheels program?
 - (b) How did the routing system work?
 - (c) What implementation issues were faced?

2. Doll, C.L., “Quick and Dirty Vehicle Routing Procedure”, *Interfaces*, vol. 10, nr. 1, pp. 84–85, 1980.
 - (a) Why did the author develop his own “quick and dirty vehicle routing procedure”?
 - (b) How does the author’s “quick and dirty vehicle routing procedure” work? Make sure that you can explain all parts of the equation. Also, be careful of typos.