

EE 491 WEEKLY REPORT 8

Date:03/19/2017

Group number: Dec1702A

Project title: Algona Municipal Utilities Power System Designs

Client &/Advisor: Algona Municipal Utilities / Anne Kimber

Team Members/Role: Yuxuan Yuan: Leader; Shengxin Mao: Communication director; Changlin Li: Software master;

o Weekly Summary

In this spring break week, all of members have travel plans. So we didn't have weekly advisor meeting and group meeting. We received client response about our design problem. Based on the response, we try to change our design route and discuss with Dr. Kimber in the coming week. On the same time, we keep to read relative books about reliability coefficient and software instruction video about Milsoft.

o Past week accomplishments

- Team Member Yuxuan Yuan: Work on the response of Algona Municipal Utilities and relative book. Dr. Kimber shared a distribution system design book with me and I start to read in this spring break. On the same time, I contact at DGR about the Milsoft model of Algona.
- Team Member Shengxin Mao: I watch and read some relative videos and paper calculation primitive matrix, shunt admittance and so on. We try to build distribution system line modeling. And I contact with ETG about our Milsoft. In addition, I keep to update our website.
- Team Member Changlin Li: I searched some information and some documents from website about Milsoft and tried to find some books for Milsoft online.

o Pending issues

- Team Member Yuxuan Yuan: Based on the response of Algona Municipal Utilities, I have some new idea about design route. I need to talk with Dr. Wang and Dr. Kimber about these change. And I cannot understand a lot about the book of Dr. Kimber share with me. I need more time to read and communicate with Dr. Kimber.

- Team Member Shengxin Mao: Which computer or lab has Milsoft? The response of ETG and the response of Dr. Kimber have some conflict. We need to talk with Dr. Kimber and ETG again to find out that. We will start to build line modeling based on our design.
- Team Member Changlin Li: Based on the response of client, we have some different ideas about route. We need to communicate with other and get our result. About the Milsoft, the instruction of Milsoft is abbreviated and we hope we can use and familiar with Milsoft in the coming week
- **Individual contributions**

<u>NAME</u>	<u>Individual Contribution</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Member Yuxuan Yuan	Think about the response of client, read the book, and contact at DGR	6 hours	49
Member Shengxin Mao	Read relative book about calculation and contact at ETG.	6	43
Member Changlin Li	Search documents and books online for Milsoft.	6	42.5

o **Comments and extended discussion**

Based on the spring break, we had a travel to relax in this week. And we had a good communication with Algona Municipal Utilities about project. The response of project plan is important to us and we will try to upgrade plan. On the same time, we keep to update our website.

o **Plan for coming week**

- Team Member Yuxuan Yuan: In the coming week, I will discuss about the response of client with Dr. Kimber. And we will start our basic calculation about underground feeder and upgrade our project plan.

- Team Member Shengxin Mao: We will start to do calculation about some basic matrix and coefficient. And we will meet each other to discuss how to upgrade our draft plan which based on the reflection from AMU. On the same time, I will update our website.
- Team Member Changlin Li: I will meet with my group this week about our project plan and I will ask Dr. Kimber about Milsoft. On the same time, our group will discuss about the new draft design.

○ **Summary of weekly advisor meeting**

In this week, we didn't have weekly advisor meeting because of spring break.