**Installation Manual**

**for**

**North Shore Extension**

**Version 2.0 approved**

**Prepared by Garrett Grube, Jeff Deely, Ritesh Misra, Spencer Worms, Xavier Torgerson**

**Blue Team**

**12/15/2016**

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**Revision History**

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| **Name** | **Date** | **Reason For Changes** | **Version** |
| Garrett Grube | 12/7/16 | Document Created | 1.0 |
| Spencer Worms | 12/10/16 | Added Train Model Installation | 1.1 |
| Garrett Grube | 12/11/16 | Added Train Model Installation | 1.2 |
| Ritesh Misra | 12/14/16 | Added CTC Office Installation | 1.3 |
| Spencer Worms | 12/14/16 | Finished | 2.0 |

1. Introduction
   1. To run the entire system, run “Installer.bat” and that will compile the entire system. This will run the entire system. It will also create a jar file that would be able to be run.
2. CTC Office
   1. The CTC Office may be run as a reduced system along with the Track Model and the Wayside Controller.
   2. To launch the CTCOffice:
      1. Navigate to the CTCOffice directory within the code base
      2. Enter the command “javac \*.java”
      3. Enter the command “java CTCGUI”
3. Wayside Controller
   1. The Wayside Controller may be run as a reduced system along with the Track Model
   2. To launch the Train Controller:
      1. Navigate to the TrainController directory within the code base
      2. Enter the command “javac \*.java”
      3. Enter the command “java TrackCont\_Tester”
4. Track Model
   1. The Track Model may be run as a standalone application to run the unit tests and inspect the loaded model.
      1. Navigate to the main directory for all projects
      2. Run installer.bat
      3. Navigate to the Track Controller directory
      4. Enter the command “java TrackModel”
5. Train Model
   1. You are able to run the Train Model without having any other systems installed in order to test the train model. In order to do this, open the command line and navigate to the TrainModel directory included in the code package. Then run javac \*.java and java TrainView in that order. You are able to modify test inputs by following the command line prompts and entering the corresponding numbers.
6. Train Controller
   1. The Train Controller may be run as a standalone application.
   2. To launch the Train Controller:
      1. Navigate to the TrainController directory within the code base
      2. Enter the command “javac \*.java”
      3. Enter the command “java Train”