**Data description:**

1. **Name of the Data**:
   1. Understanding and Modeling Middle-Mile Logistics Automation:
      1. Quantitative part: Randomly generated container order-based intermodal facility locations in the Chicago area.
      2. Qualitative part.
2. **Research Purpose**:

This data is used to:

1. Analyze the impact of automation in drayage operations.
2. Outline policy recommendations that will help set possible pathways for drayage automation and related operations management.
3. **Nature of the Data**:

Numerical data and transcripts data generated by video interviews.

1. **Data Creation Method**:
2. Quantitative part: Generated using Python software.
3. Qualitative part: Transcripts data generated by video interviews.
4. **Data Collection Period and Frequency**:
5. Quantitative part: The data is generated based on the size of the test instances, rather than collected over time. Nevertheless, we will update the data when a need arises.
6. Qualitative part: May 2024 to August 2024.
7. **Relationship to Existing Data**:

This data is not derived from existing datasets; it is entirely generated in-house.

1. **Potential Users**:

Members, researchers of the Center for FERSC and researchers studying drayage automation.

1. **Data Preservation Period**:
2. Quantitative part: The data will be preserved for 5 years.
3. Qualitative part: The data should not be preserved for long-term access.
4. **Value of the Data**:
5. Quantitative part: This data serves to validate the effectiveness of the drayage model outlined in our report and is available for public access.
6. Qualitative part: Due to the dynamic and contemporary nature of the topic, the data has little value in the long term.
7. **Long-term Access**:
8. Quantitative part: The data is preserved to ensure long-term accessibility.
9. Qualitative part: The data is **not** preserved to ensure long-term accessibility.
10. **Data Management Responsibility**:
11. Quantitative part: The data is managed by Ziyu Qiu and Bo Zou from University of Illinois Chicago (UIC).
12. Qualitative part: The data is managed by Kazuya Kawamura from UIC.
13. **DMP Adherence Monitoring**:
14. Quantitative part: We will regularly check our data website on Zenodo to make sure the completeness and public access of the uploaded data.
15. Qualitative part: Storage and access to data must adhere to the standard set by the UIC’s IRB. Co-PI Kawamura is responsible for ensuring those and also DMP protocols are followed.

**Data Standards and Machine-readable Form:**

1. Quantitative part:
   1. The data is in CSV format.
   2. The rationale for using this format is that CSV format guarantee the data is readable for Python and other computer languages.
2. Qualitative part:
3. The interview results are shown in the report as in Word format.

**Policy for re-use, redistribution, derivatives:**

1. Quantitative part:
   1. Ziyu Qiu and Bo Zou from UIC have the right to manage the data.
   2. Ziyu Qiu and Bo Zou from UIC hold the intellectual property rights to the data.
2. Qualitative part:
3. Kazuya Kawamura from UIC has the right to manage the data.
   1. Kazuya Kawamura from UIC holds the intellectual property rights to the data.