


**Our goal** is to develop an intelligent framework to understand and improve how State DOTs store, access, and use as-built transportation asset data. **(2 Clinic Students)**

Over the next semester, we will research asset management:

- Research State DOT practices for as-built data storage and formats (GIS, databases, BIM, paper-to-digital conversion).
- Compare different DOT data management systems for efficiency, accessibility, and interoperability.
- Identify challenges in data integration across asset classes
- Develop a best-practice guideline or framework for standardized as-built data management.
- Publish and present the research outcomes.



# ANNUAL DMS RANKING ANALYSES

User ID:  | [Administration](#)

Today is: **3/4/2025** | [Log Out](#)

## Analysis Parameters

### Flooding/Icing Count Data

Select Ranking Year

2025

Date Year	Data Available	Flooding	Icing
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Use Range For Search ☐

Range for Search (MP Limit +/- X) X

Max Range of MP to be considered

Minimum Number of Years for Ranking

Apply Multiyear Factor

Consecutive years flooding (latest last two years)

Flooding Factor (recent last three consecutive years)

	Flooding	Icing
	300	300
	3	3
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	1.5	1.5

Ranking Type

☒ Flooding
 ☐ Icing

Data Source

☐ EL15+TAM
 ☐ Operation Limit
 ☒ All

## Analysis Tools

Retrieve PMS Data

PMS Data Table name for AADT

Data to Retrieve ☒ AADT ☐ SRI

Retrieve Data

Get SRI Information

Step 1: Process TAMS Data

Clean TAMS Excel

Upload TAMS Data

Step 2: Group Locations and Generate Base Locations

Group Data

Upload Base Locations

Step 3: Count and Rank Locations (Use Analysis Parameters)

Compute Counts and Rankings

Upload Rankings

Three Year Comparison

Compare Three Years Ranking (Base Year for Comparison :2024 )

[illegible]