**EAST HADDAM TOWN-WIDE ROADWAY ASSESSMENT**
**INFRASTRUCTURE PLANNING SUMMARY**
**FINDINGS FROM BETA GROUP REPORT**
**PUBLIC INFORMATION MEETING**
**WEDNESDAY, JULY 16, 2025 AT 7:00PM**

## Background

- The Town of East Haddam commissioned BETA Group, Inc. to conduct a comprehensive pavement management study of all town roadways and private owned roads in some communities where the town provides plowing services.

- Using GIS-based and image-assisted inspections powered by machine learning, BETA evaluated pavement conditions in real time.

- The study provides a strategic framework for long-term capital planning, optimized maintenance scheduling, and efficient resource allocation.

- Road conditions were rated using the Roadway Surface Rating (RSR) scale (0–100), where higher scores indicate better pavement health.

## Key Findings

- **Average RSR across the network: 59.27** — indicating overall **Fair to Poor** condition.

- Of the **1,082,000+ square yards** assessed:

    - **37.5%** of roads require **Major Rehabilitation** (RSR < 50)
    - Only **7.4%** of roads require **no maintenance**

- **Estimated cost to restore all roads to Good/Excellent condition: $25.2 million** *(Excludes sidewalks, drainage, and utility upgrades)*

## Repair Needs by Category

| Repair Category | RSR Range | Estimated Cost | % of Roads |
|---|---|---|---|
| Major Rehabilitation | **0-50** | **$19.8 M** | **37.57%** |
| Minor Rehabilitation | **50-65** | **$2.77 M** | **13.79%** |
| Preventative Maintenance | **65-80** | **$2.52 M** | **24.23%** |
| Routine Maintenance | **80-92** | **$171,975** | **16.99%** |
| No Maintenance | **92-100** | **$0** | **7.42%** |

## Recommendations

- The assessment provides a **data-driven roadmap** for prioritizing road repairs and capital investments.

- A **5-Year Forecast Model** was developed to guide annual spending between **$400,000 and $2.25 million**, balancing urgent repairs with long-term maintenance.

- Immediate next steps include:
  - Deploying the **ManageMyRoads GIS platform**
  - Create a 5 to 10 year road plan and implement based on funding
  - Developing sustainable **funding strategies**

## Conclusion

East Haddam's roadway network is at a critical tipping point. Without immediate and sustained investment, the percentage of roads in disrepair will continue to grow—leading to higher long-term costs, emergency repairs, and increased safety risks. The few roads currently in good condition must be maintained now to avoid costly reconstruction later. This report makes it clear: **essential funding is not optional—it is urgent.** Proactive investment today will prevent exponential costs tomorrow and preserve the integrity of our transportation infrastructure for years to come.