Multi-Sensor Inspection for [YOUR CUSTOMER]

06000000040M_TMP90782M
Highway 35, Dallas, TX

2026-02-04

Data Processing and Reporting By: SewerVUE

Operations Conducted By: YOUR LOGO HERE

Contents

Key Takeaways

Structural

- Structural PACP Rating: 1825 with a rating index of 3.2
- Surface damage observed at multiple intervals:

  - Reinforcement visible* at 0.1 ft and 625.3–664.8 ft.
  - Reinforcement projecting† at 11.3–187.1 ft, 414.6 ft, and 706.6 ft.
  - Aggregate continuously visible along the full 0–1670.5 ft section.
- Average pipe wall loss: 11.9%, maximum: 23.9%.

O&M

- Overall O&M Rating: 2013 with a rating index of 2
- Sediment measurements:

  - Total sediment: 734.3ft^3.
  - Maximum sediment area: 2.9% at 1622.1 ft.
  - Maximum sediment height: 18.3% at 1622.0 ft.
- No other significant obstructions observed.

* Surface Damage – Reinforcement Visible: The steel bars inside the concrete (rebar) can be seen through the surface. They're exposed, but still embedded in the concrete. This usually happens because the concrete has worn away or the steel has started to corrode.

† Surface Damage – Reinforcement Projecting: The steel reinforcement is sticking out into the pipe. It's no longer fully surrounded by concrete. This can catch debris, restrict flow, and often means the concrete loss or corrosion is more advanced.

[YOUR PROJECT NAME]

Flow Direction: Downstream
Pipe Diameter: 90 In
Length: 1670.6 Ft.
Pipe Type: Horseshoe poured in place concrete

Multi-Sensor Inspection for [YOUR CUSTOMER]	
06000000040M – TMP90782M	
Map Layout	
M.N.	R: 2026-02-04 23:16:38Z

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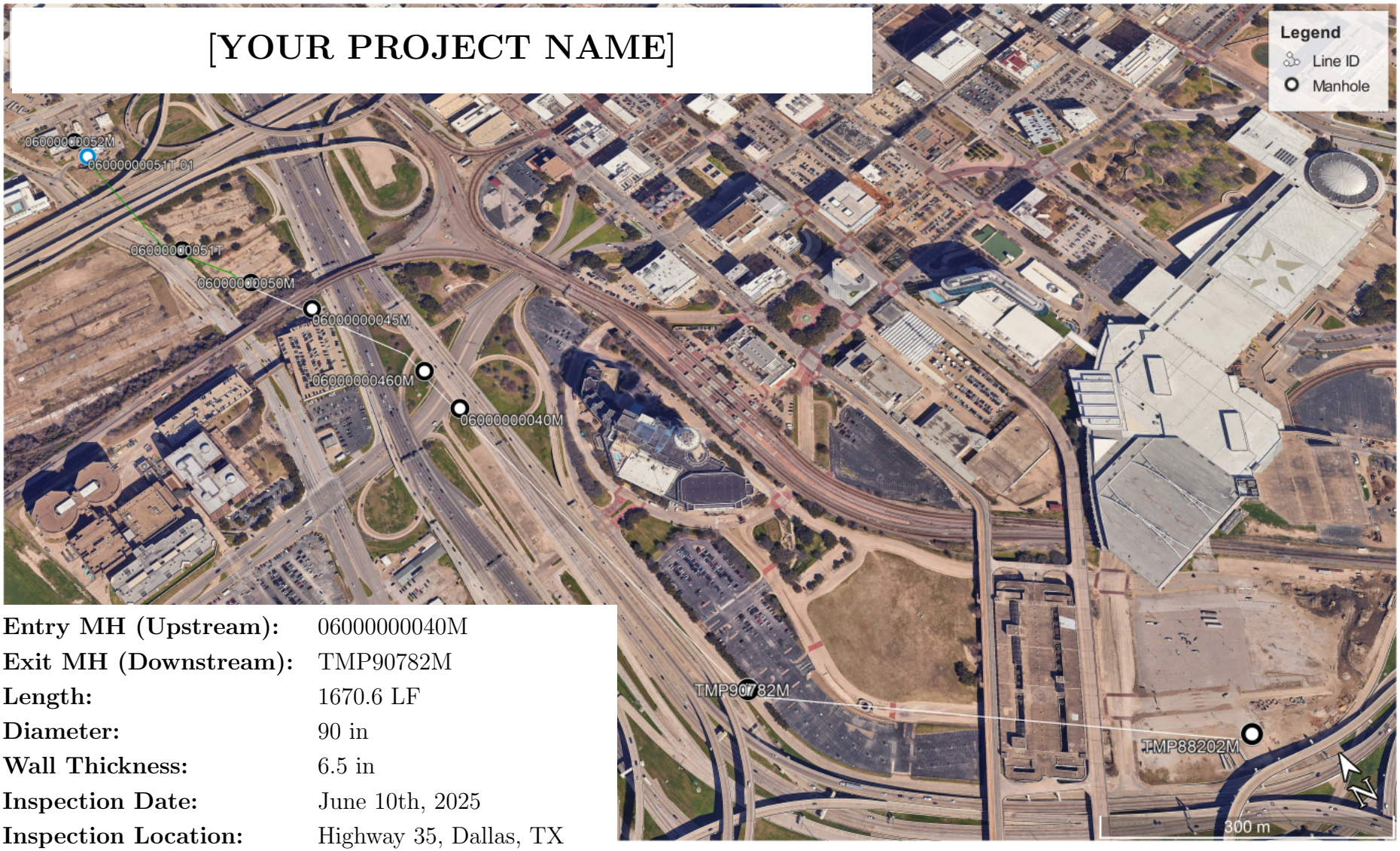
[YOUR PROJECT NAME]



Entry MH (Upstream):	06000000040M
Exit MH (Downstream):	TMP90782M
Length:	1670.6 LF
Diameter:	90 in
Wall Thickness:	6.5 in
Inspection Date:	June 10th, 2025
Inspection Location:	Highway 35, Dallas, TX

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Executive Summary

[YOUR COMPANY NAME] conducted a Multi-Sensor Inspection (MSI) using SewerVue Technology Corp.'s MPIS Float to inspect a 1670.6 LF, 90" Horseshoe poured in place concrete pipe between manhole ids 06000000040M and TMP90782M on June 10th, 2025, located near Highway 35, Dallas, TX.

The inspection involved the use of CCTV cameras, 2D planar LiDAR, 3D conical LiDAR, a sonar profiling device, supported by other telemetry sensors mounted to a boat. The inspection provides industry leading measurements to assist in the analysis of the pipeline's condition. This report is a summary of measurements and doesn't constitute a formal condition assessment.

A PACP report was compiled using NASSCO PACP codes input by a [YOUR COMPANY NAME] operator. SewerVUE reviewed the LiDAR and Sonar measurements, and using NASSCO compliant codes, amended this report. A summary of the PACP report follows:

	Rating	Index	Quick Score
Structural	1825	3.2	5Z43
O&M	2013	2	322Z
Overall	3838	2.4	5Z43

Table 1: Summary of PACP Scores

A high level summary of visual observations follows:

Observation	PACP Code	Clock Position	Location (ft)
Surface Aggregate Visible	SAV	07–05	0–1670.5
Surface Damage – Reinforcement Visible	SRV	10–11, 02–03	0–0.1, 625.3–664.8
Surface Damage – Reinforcement Projecting	SRP	07–05, 10–01	11.3–187.1, 414.6, 706.6
Infiltration Dripper	ID	01	215.9, 1449.4
Infiltration Stain	IS	01	1449.4

Table 2: Summary of PACP Observations

Certain sections of this asset experienced as much as 23.9% pipe loss, as measured by the deviation from an ideal pipe profile. The summary table below presents the measured pipe surface location subtracted from an ideal pipe profile.

	Measured Corrosion	Percentage (%)	Location (LF)
Total Pipe Loss Volume (ft^3)	366.2	1.5	–
Maximum Pipe Deviation Height (in)	1.6	23.9	221.1
Maximum Pipe Loss Area (in^2)	175.3	8.5	1622.1
Average Pipe Deviation Height (in)	0.8	11.9	–
Average Pipe Loss Area (in^2)	31.6	11.8	–

Table 3: Measured pipe surface location subtracted from an ideal pipe profile.

While the majority of the pipe does not have sediment, there was a large buildup at 128.8 lf. The summary table below presents the measurement of debris surface subtracted from the expected ideal pipe profile.

	Measured Sediment	Percentage (%)	Location (LF)
Total Sediment Volume (ft^3)	734.3	1.0	–
Maximum Sediment Height (in)	8.2	18.3	1622.0
Maximum Sediment Area (in^2)	187.0	2.9	1622.1
Average Sediment Height (in)	0.7	1.6	–
Average Sediment Area (in^2)	63.3	1.0	–

Table 4: Measurement of debris surface subtracted from the expected ideal pipe profile.

Although ovality of this pipe appears to be within normal ranges, there were multiple spikes due to LiDAR reflections from the water ingress. The summary table below presents the measurement of pipe ovality with respect to the expected ideal pipe profile.

	Ovality (%)	Location (LF)
Average Ovality	7.5	–
Maximum Ovality	17.9	123.2
Minimum Ovality	0	0

Table 5: Measurement of pipe ovality.

Detailed Report Deliverables

In our pursuit of delivering transparent and accessible inspection results, we present the **Inspection Map**, a central repository designed to streamline access to inspection data. This map serves as a visual interface for efficient retrieval and analysis of project-related information.

Within the Inspection Map, you will find direct links to the following critical components:

- **Inspection Video** – high-resolution inspection video.
- **PACP Inspection** – NASSCO PACP report detailing visual defects.
- **Snake Skins** – video screenshots and graphical representations of pipe corrosion, debris, deposits, and cracks.
- **Cross Sections** – pipe interior cross-sections overlaid on the ideal pipe profile.
- **Sediment** – graphs of sediment accumulation and water levels.
- **Pipe Deviation Graphs** – corrosion and pipe-loss graphs.
- **Ovality** – A graphical representation showing the change in ovality using ASTM standards.
- **Hosted Point Cloud** – web-based viewer to view and take measurements.
- **Point Cloud File** – raw 3D scan data (.xyz).
- **4in1** – desktop software with synchronized 3D renderings, plots, maps, and video.

All files are securely stored on a cloud server, ensuring confidentiality and integrity of project data.

Appendix

For guidance on how to use and interpret the full deliverables, SewerVUE Technology Corp. highly recommends reviewing the Appendix and Acronym List.
If you have any questions, contact SewerVUE Technology at sales@sewervue.com or +1 604 421 0600.