

**Tyler Bridge Road Culvert**

**TH#9**

**44.26165475629287, -73.09879327799494**

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## **Existing Condition of Culvert**

The Tyler Bridge Road (TH#9) culvert, located roughly 1500 feet north of States' Prison Hollow Road intersection's condition is poor, as you can see from Photo #1. The culvert has severe abrasion along the sides, specifically the north side, appoxamently thirty feet in, where the culvert is not physically connected part way through. The bottom half seems to have squished out further than the top half, creating a void in this span of the culvert. The culvert span is roughly seventy feet long. After work that the town had performed, there still creates a minor void at the inlet of the pipe, off the shoulder out of travel portions which is maintainable and safe.

## **Work Performed**

The town has taken action for proactive and reactive due to safety concerns. On January 9<sup>th</sup>, the west lane of Tyler Bridge Road had collapsed, creating a minor void in the road. The town cut this section of asphalt, dug down to the culvert, and inspected. After inspection, the town lined the culvert with road fabric, added 4-6" stone, and backfilled with gravel compacting every three to four inches.

On March 23<sup>rd</sup>, the east side of the road had collapsed near the center of the road. The town shut the road down until the next day, where work was performed. Cutting out what was left of the east side of the road; we dug the entirety of the road portion of the culvert up. After diligent inspection, we came to the conclusion that the lower half of the culvert had collapsed and expanded, meaning the top half was inside, thus creating a void and sinkholes. We lined the entirety of the culvert with road fabric, backfilled with 4-6" stone, then backfilled with gravel, compacting every three to four inches.

On September 12<sup>th</sup>, we hired Pike Industries to put 12 ton of asphalt over the top.

**Photos:**

(1) Photo shows the collapsed version of pipe on the inside from the inlet.



(2) Photo shows the January 9<sup>th</sup> collapse.



(3) Another view of the January 9<sup>th</sup> collapse



(4) Photo of the March 23<sup>rd</sup> collapse



(5) Inside of the March 23<sup>rd</sup> collapse



(6) Putting fabric in the March 23<sup>rd</sup> event



(7) Putting 4-6" stone in the March 23<sup>rd</sup> event

