WEST HARRIS COUNTY REGIONAL WATER AUTHORITY

SWSP MONTHLY CONSTRUCTION STATUS REPORT

September 2026

Updated 10.14.2026



RPS – Internal Pipe Inspections

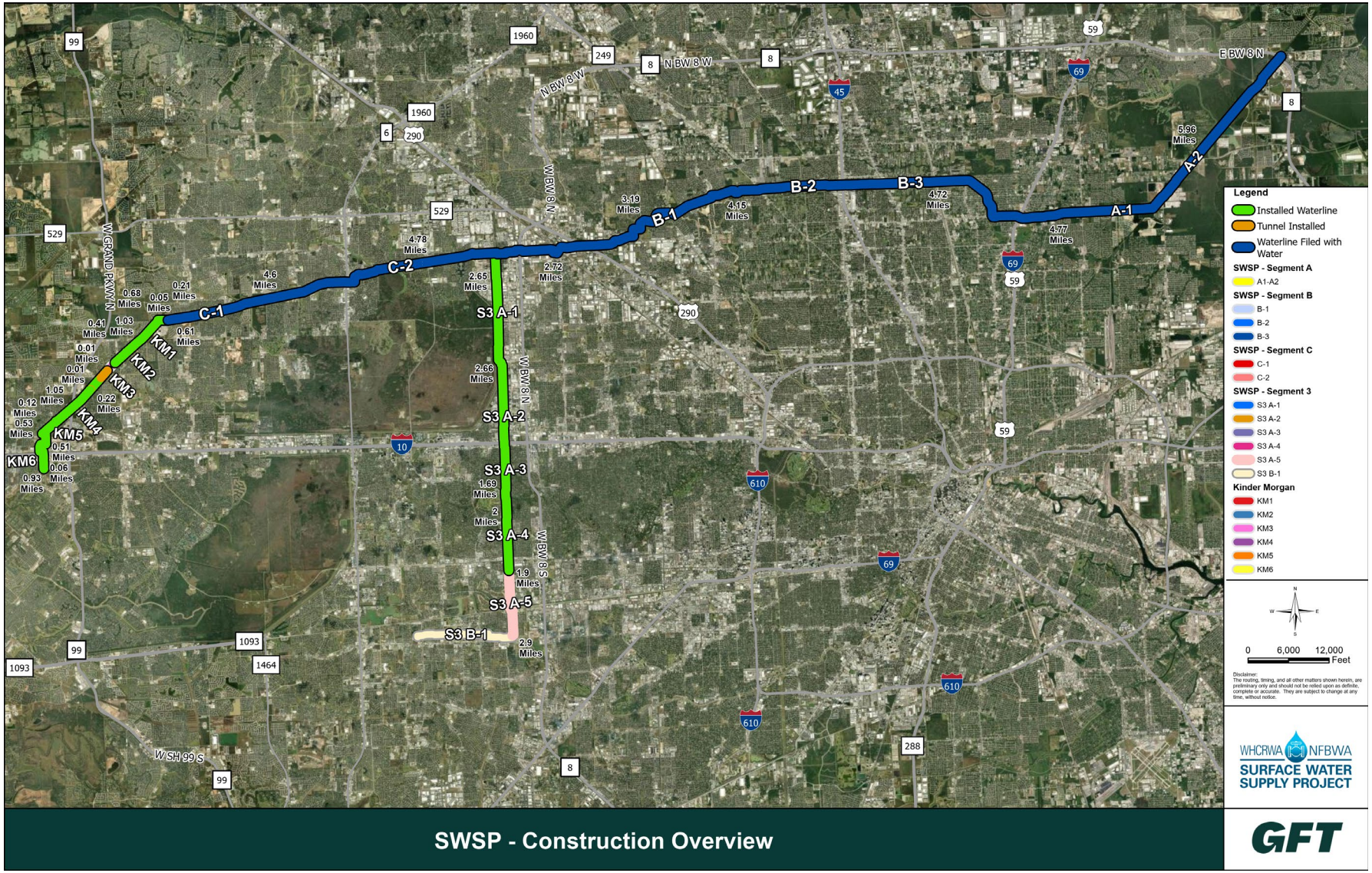
WHCRWA Ongoing Construction Projects

Surface Water Supply Project • Capital Improvement Projects • September 2026

1	**Central Pump Station**	Central pump station receives water from the Re-Pump Station and transfers it to MUDs.
2	**Segment A1-A2**	11 miles of 96-inch water line from Hopper Rd. to the WHCRWA meter station near the NEWPP, including SWSP disinfection
3	**Re-Pump Station**	160 MGD re-pump station facility, including two 10-million-gallon tanks
4	**Northeast Meter Station**	Meter station at the City of Houston / WHCRWA interface
5	**Kinder Morgan 1–6**	Six projects: 6 miles of 66-inch and 1,300 LF of 84-inch waterline from the Segment C1 connection to the I-10 Meter Station
6	**I-10 Meter Station**	Meter station at the NFBWA interface
7	**CIP Projects**	Contracts 51, 53, 63, 64 and 65

Current SWSP Construction Projects Overview

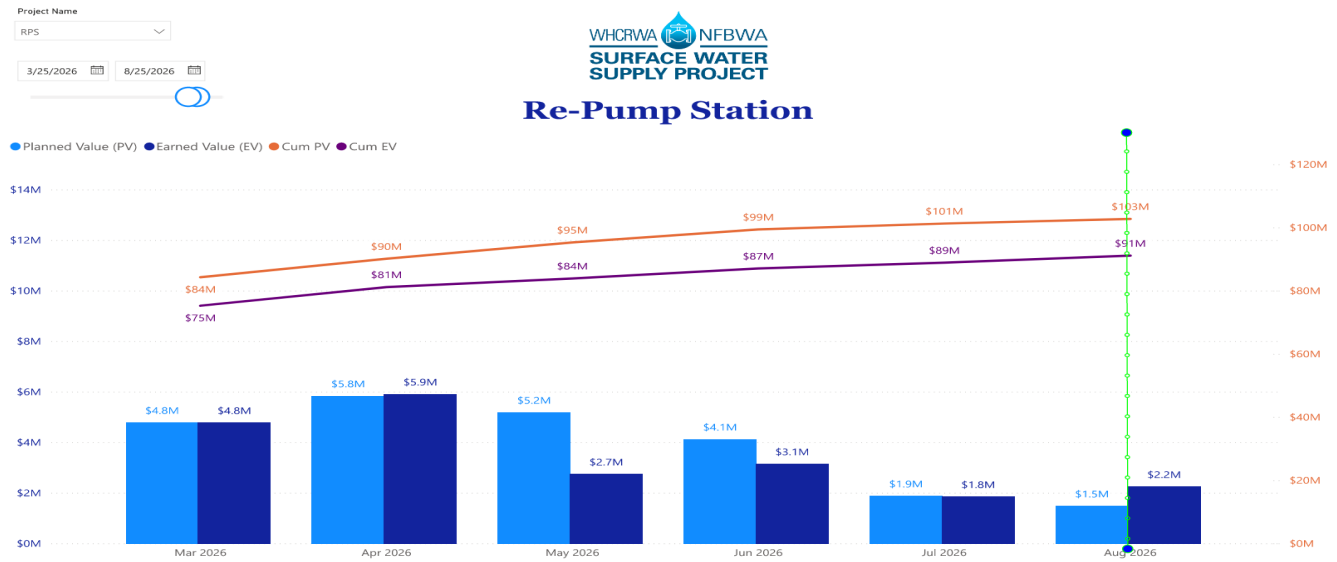
Program Map • Installed, Tunneled, and Operating Segments



SWSP Re-Pump Station

160 MGD Re-Pump Station • Planned vs. Earned Value • Field Progress

PLANNED VS. EARNED VALUE Monthly Bars • Cumulative Lines





RPS – Overall Site



West Swale Ditch

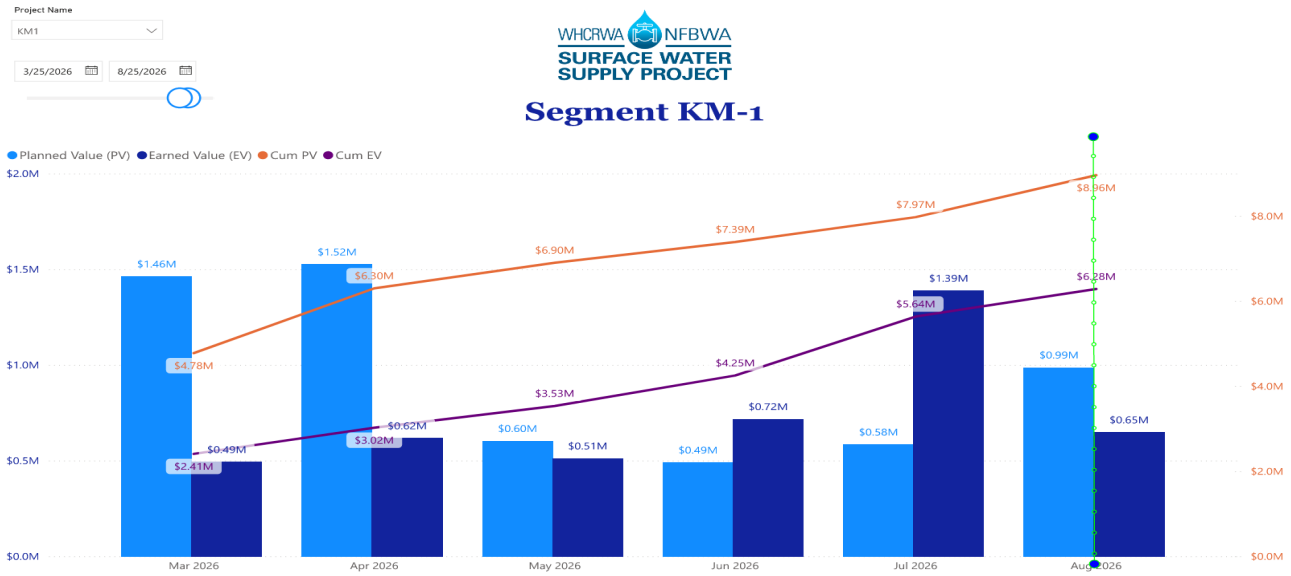


Suction Header

SWSP KM-1

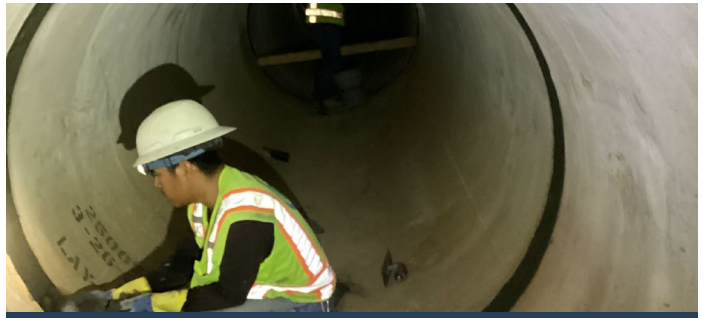
Kinder Morgan 1 • Planned vs. Earned Value • Field Progress

PLANNED VS. EARNED VALUE Monthly Bars • Cumulative Lines





Threading Pipe at Westfield Village Tunnel



Grouting Pipe Joints

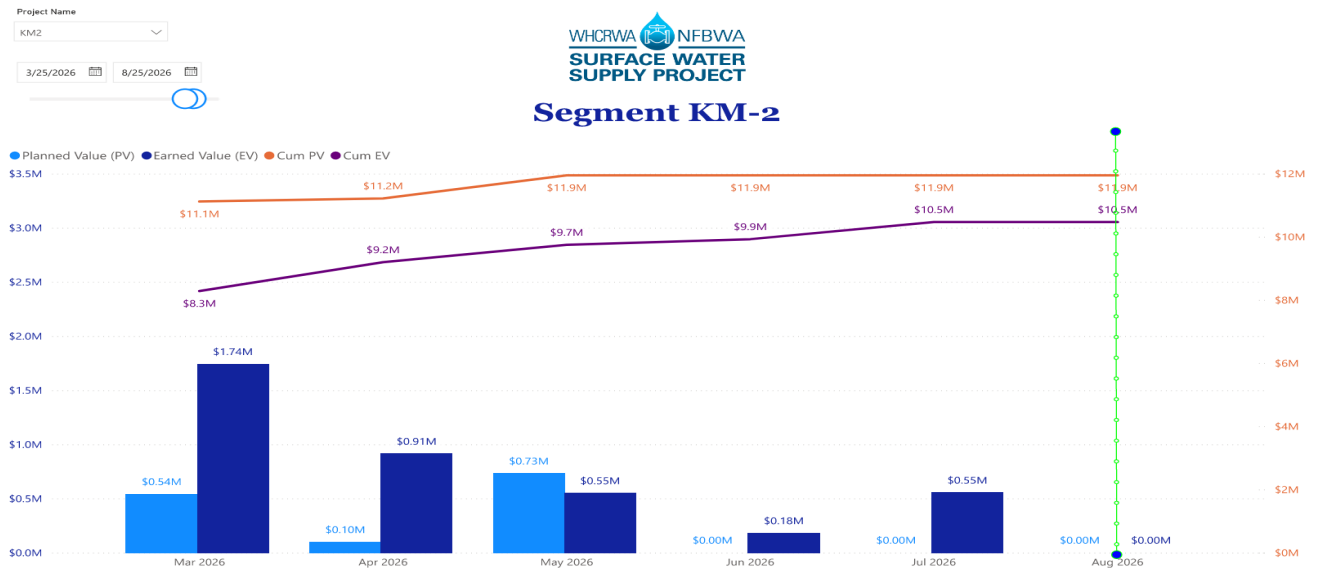


Lowering Pipe Carrier

SWSP KM-2

Kinder Morgan 2 • Planned vs. Earned Value • Field Progress

PLANNED VS. EARNED VALUE Monthly Bars • Cumulative Lines





Strip of Sod Added Around Manhole



Performing BFV Turn Test

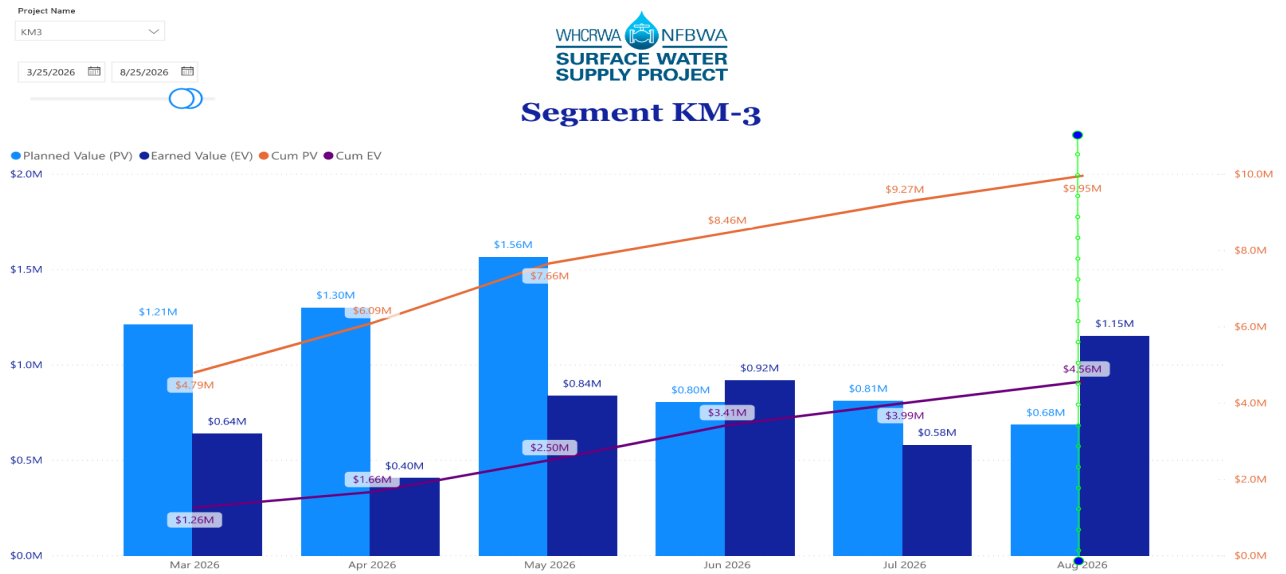


Surface Walkthrough Inspection

SWSP KM-3

Kinder Morgan 3 • Planned vs. Earned Value • Field Progress

PLANNED VS. EARNED VALUE Monthly Bars • Cumulative Lines





12-Inch DIP Waterline Installation at MUD 2



Threading 66-Inch Pipe at Elrod Road Tunnel

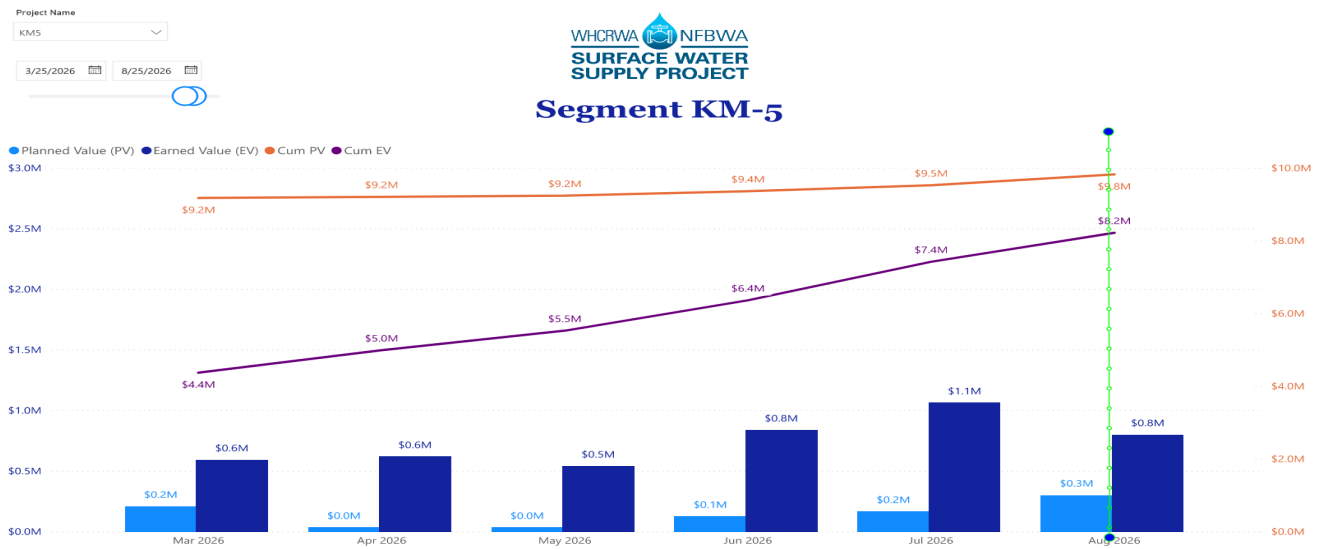


66-Inch Waterline Open-Cut Installation

SWSP KM-5

Kinder Morgan 5 • Planned vs. Earned Value • Field Progress

PLANNED VS. EARNED VALUE Monthly Bars • Cumulative Lines





Pouring Concrete Manhole Collars



Internal Pipe Inspections



Concrete Pavement Restoration

WEST HARRIS COUNTY REGIONAL WATER AUTHORITY

LOOKING BACK, AS WE MOVE FORWARD

Segment B3

"The Long Tunnel"

4.4 Miles
of Tunnel

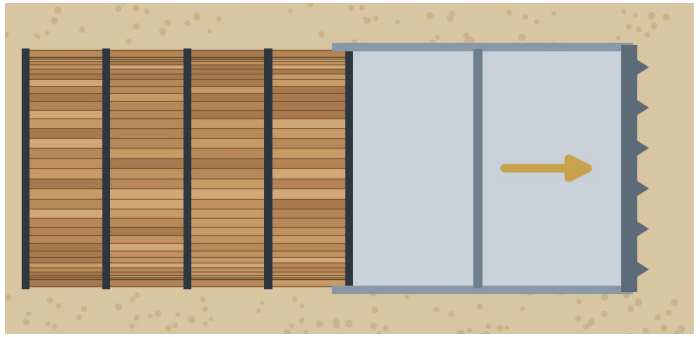
~390,000
Timber Boards, Set by Hand

$112 Million
No Change Orders



Inside the B3 Tunnel – Steel Ribs and Timber Lagging Boards

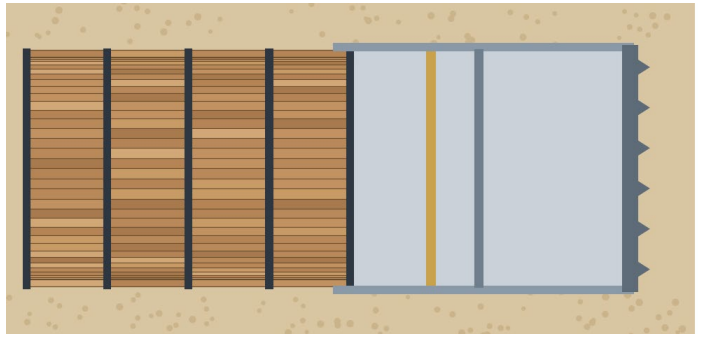
One Ring at a Time



1

Mine 4 Feet

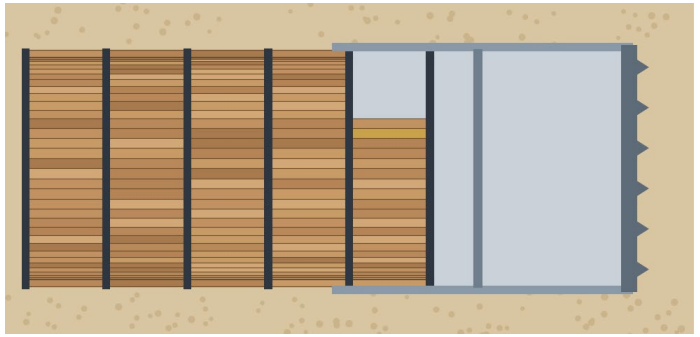
The cutterhead digs ahead one ring width. Soil rides back on a conveyor to the muck cars.



2

Set the Rib

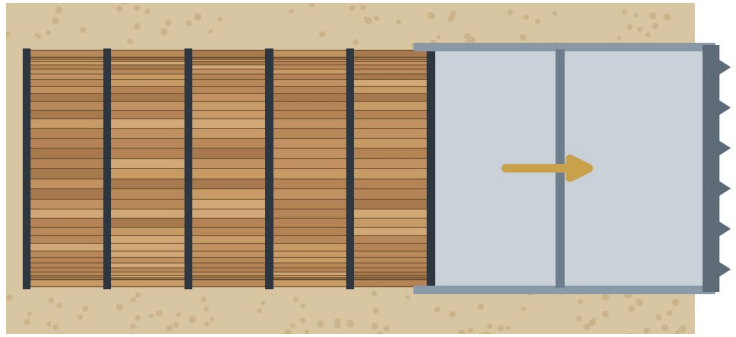
Inside the tail of the shield, crews construct a steel rib into a full circle.



3

Board by Board

Timber boards, 4 ft. long, 6 in. wide, and 4 in. thick, go in one at a time. About 68 close the ring. All are lifted by hand.



4

Push and Repeat

The machine pushes off the finished ring and moves ahead. Then the cycle starts over.

~ 300 Miles

Laid end to end, the boards in B3's liner would stretch about 300 miles, about the distance driving from Houston to Junction, Texas, on IH-10.

B3 by the Numbers

Planned • Delivered • Recognized



Suzzann Being Received at the Final Shaft on February 29, 2024

4.4 Miles

23,000 ft of 96-inch steel water line in tunnel

128 Inches

Tunnel diameter, big enough for a Ford F-150

7 Shafts

Launch, Access, and Valve Structures

$112.8M

Construction Contract Value

~390,000

Timber Lagging Boards Set by Hand

2 Awards

CMAA Houston, 2025
and
UIC 2026 Project of the Year

Fun Fact: **The B3 Tunneling Machine was received at the final shaft on Leap Day in 2024.**