



CASE STUDY · K-12 EDUCATION

A school district connects every site in months, without a fiber build.

The conventional answer was a multiyear construction project. Weaver wrote that quote, took it to the board with two alternatives, and showed the district a path that reached every site in months instead of years.



CUSTOMER

Public School District,
North Texas

INDUSTRY

K-12 Education

PARTNERS

AireSpring
VMware VeloCloud

SITES

Every district site

THE CHALLENGE

Dependable internet at every site, in time for the school year.

The district is a North Texas public school district operating a multi-site footprint that includes every campus and several support facilities.

It needed dependable internet at every one of those locations, and a second site capable of standing on its own, so campuses were not all depending on a single point of failure. Coverage and resilience drove the project, not price.

The conventional answer was fiber. Weaver quoted the cabling to reach every district location, a multimillion-dollar capital project spread over two to three years. For a district that needed connectivity in place for the coming school year, the timeline was the harder problem of the two.

THE STARTING POINT

Millions

Capital cost of the fiber build, per Weaver's own cabling quote

2 to 3 yrs

Construction timeline the district would have carried

1 of 3

The fiber build went to the board as one of three costed options

THE APPROACH

The Weaver Way: solve for the requirement, not the assumption.

Weaver looked at what the district needed to accomplish rather than the infrastructure it had assumed it would have to build. The requirement was reliable, manageable connectivity at every location. Owning the fiber was one way to get there, and on this timeline it was not the right one. Weaver had written the cabling quote and still put the alternative on the table.

Working with AireSpring, Weaver designed a managed SD-WAN overlay that binds commercially available broadband and fiber circuits at each site into a single managed network. Instead of construction risk and a capital project, the district takes an operational service with a defined monthly cost and a defined start date.

PROJECT CAPABILITIES

Network architecture and design	Managed SD-WAN deployment	Last mile circuit procurement
High availability and hub design	24/7 monitoring and alerting	Ongoing managed services



We wrote the cabling quote. We also told the district it did not have to spend it. The requirement was reliable connectivity at every location, and owning the fiber was only one way to get there.

RYAN WEAVER · DIRECTOR OF OPERATIONS, WEAVER TECHNOLOGIES

THE RIGHT IT SOLUTION

A managed SD-WAN overlay, built in three tiers.

A 36-month managed service, with resilience placed where the district needs it most. Underneath every site: in-tunnel bandwidth through AireSpring gateways, DDoS mitigation, 24/7 monitoring with automatic case creation, and single-pane visibility in the AireControl portal.

TIER 1 · DISTRICT HUB

A middle school campus

Edge 3800 appliance on two diverse circuits, including 10 Gb/s AT&T Gig Ethernet. The second site the district wanted is built in, not bolted on.

TIER 2 · HA PAIR

The high school

Two Edge 3800 appliances in an HA pair with redundant managed switches and 1000 Mb/s in-tunnel bandwidth.

TIER 3 · ALL OTHER SITES

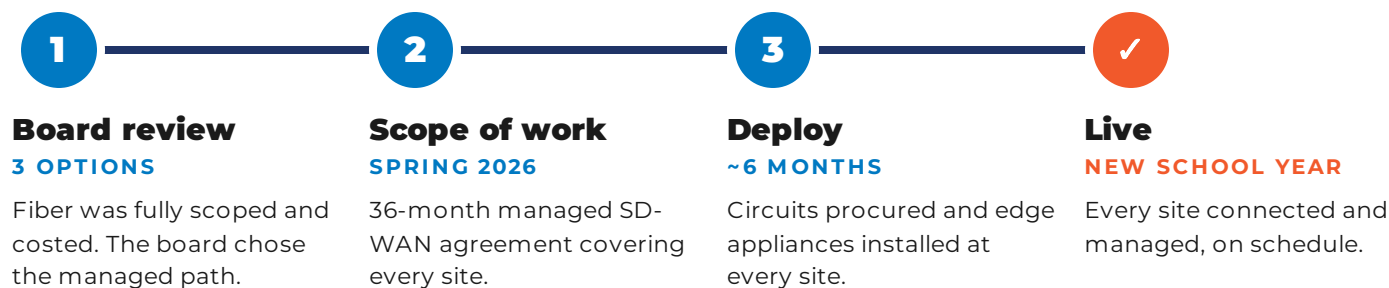
Campuses and facilities

An Edge 720 per site with 200 Mb/s in-tunnel bandwidth, on Spectrum broadband at most sites and AT&T symmetric fiber at two sites.

THE RIGHT TIME

Connectivity for the coming school year.

The scope of work was signed in spring 2026, and the network went live on schedule for the new school year. That is roughly six months from contract to production at every site, against a construction schedule that would have run past two more school years.



OUTCOMES

Every site live, at a fraction of the fiber build.

The managed SD-WAN agreement costs a fraction of the fiber build over its 36-month term, with a predictable monthly cost. The network is live, with every site connected and managed. The fiber build was scoped and formally evaluated at board level, and never funded. Two sites carry redundancy, and the district escalates to one place for the relationship, design, deployment and day-to-day management.

■ Every district site connected	■ Operational cost, not a capital project	■ Resilience where it matters most
■ Single-pane visibility for district IT	■ One point of escalation	■ About six months from contract to production

THE RIGHT REASON

The option they had not been shown

Weaver quoted the fiber build and then showed the district a path that did not require it. Sometimes the right solution is the one the customer hasn't seen yet.

Both options on the record

The full arithmetic went to the board as costed options, so the decision was made on facts, not a headline number.

A COMMON CHALLENGE IN TEXAS K-12

Districts with many sites often assume that owning fiber is the only route to reliable connectivity. When the school calendar is the real constraint, a managed overlay on commercial circuits can deliver coverage and resilience on a much shorter timeline.

Weighing a fiber build?

Weaver can put the fiber quote and the alternatives side by side, so your board can decide on the full picture.

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ABOUT WEAVER

Dell Titanium Partner. Since 2006, Weaver has helped organizations build IT strategy and security so they can focus on their craft. We serve education, state and local government, healthcare and commercial customers across the U.S. and internationally.

WEAVER

**Right IT Solution.
Right Time. Right Reason.**