



# Fiber Internet/Cloud Managed Security Proposal

for

## Navarro County

300 W. 3<sup>rd</sup> Ave., Corsicana

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Navarro County Texas



9/14

# Vyve Enterprise Class Business Solution Overview

## The proposal includes the following:

### Ethernet Fiber Solution for Dedicated Internet Access to the Courthouse

- Fully managed symmetrical Fiber Circuit
- Dedicated Fiber Circuit will be connected to our Core Ring-Fiber and Backbone Network. Vyve Broadband operates with multiple primary Internet access, upstream data interconnection points "data dumps," with multiple layers of ring redundancies for traffic routing in case of upstream carrier access issues for interconnect. This level of infrastructure will provide Navarro County with the peace of mind that Vyve Broadband can deliver the uptime demands for a true Enterprise Class Level Service Solution.

### Point-to-Point Transport

- Fiber connection from Courthouse (demarc) for dedicated bandwidth to Navarro County Annex & 7 additional sites.

### Support

- Vyve's 24/7/365 Network Operations Monitoring and Access
  - Circuit Monitoring: Monitors all Enterprise Class Services and core network interconnectivity 24-hours a day, 7-days a week, 365 days a year.
  - All Enterprise Class customers are provided a direct call line to Vyve's Network Operations Center (Located in Corsicana & Hays, KS) in case of service issues. The Network Operations Center will have primary points of contact for customer in case of circuit monitoring alarms/issues identified.
- Full Service Level Agreement
- Local Support – The system office located in Corsicana is open Monday-Friday, 8:30-5:30 and is staffed with support personnel as well as technical staff.

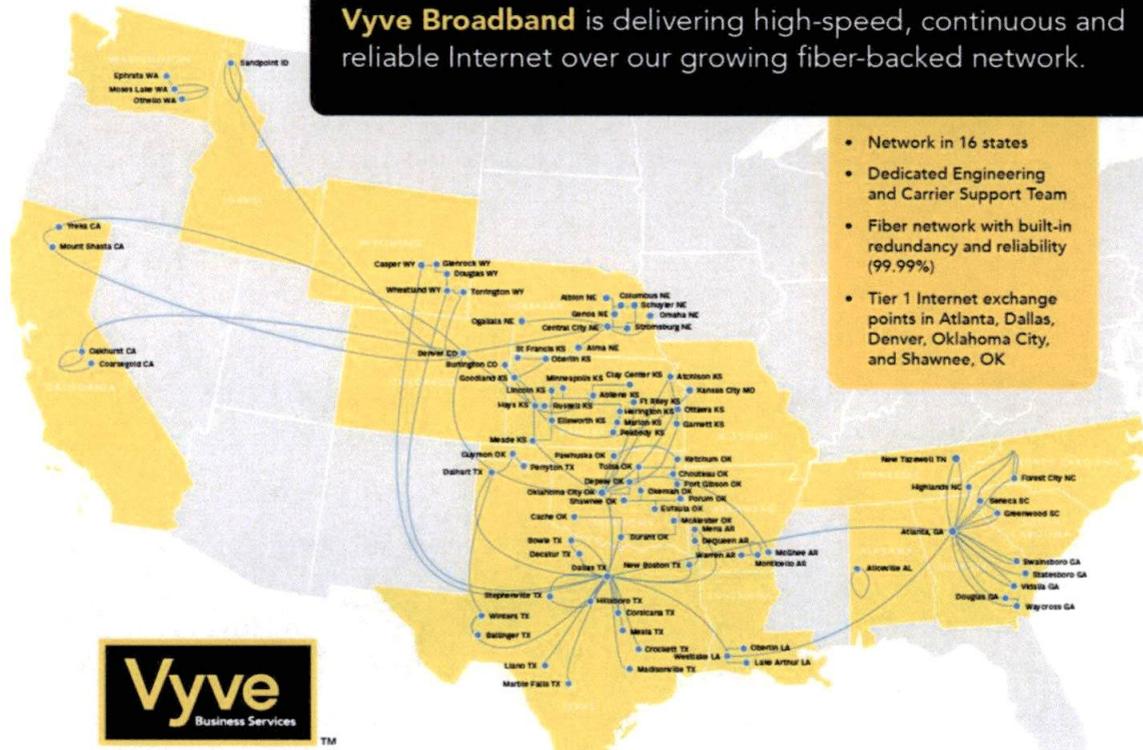


**Vyve Broadband** is delivering high-speed, continuous and reliable Internet over our growing fiber-backed network.

- Network in 16 states
- Dedicated Engineering and Carrier Support Team
- Fiber network with built-in redundancy and reliability (99.99%)
- Tier 1 Internet exchange points in Atlanta, Dallas, Denver, Oklahoma City, and Shawnee, OK

**Vyve**  
Business Services

TM



# Vyve Broadband

CLOUD & MANAGED  
SERVICE SOLUTIONS

Managed Services for every part of  
your business:

- Support remote Employees  
with Microsoft 365 for Business
- Protect your data and your  
business with custom business  
continuity tools
- Secure your network with  
managed devices and solutions.



## Business Continuity

Have you considered how downtime  
will impact your business? Or what  
business continuity means for your  
business?

**datto**



## Productivity

Cloud files, video conferencing,  
collaboration, project management  
and more? Yes, you can have it all  
and more, in one easy solution.

Microsoft

Microsoft 365  
Business



## Managed Network Solutions

Deliver a secure and reliable  
network professionally designed for  
your business needs.

**CISCO Meraki**

# Features/Benefits of Cloud Managed Security

## Leverage Dynamic Retail Analytics

- Gain network insights from industry- leading application traffic visibility and client fingerprinting
- Limit or optimize applications and websites with Layer 7 firewall and traffic shaping rules



Location analytics built into the MX60W measures key customer statistics over time.

## Identify & contain bandwidth hogs

- Measure presence by tracking the number and types of connected clients
- Increase foot traffic and lengthen dwell time with in-store mobile customer engagement using Meraki's extensible APIs
- Identify shopping trends by analyzing user web traffic



Deep visibility and control over network traffic and Layer 7 consumption.

- Managed via Cisco Meraki Dashboard
- Automatic Firmware upgrades
- WAN Link Balancing
- Automatic WAN Failover
- SD-WAN over Meraki AutoVPN
- L3/L7 Stateful Firewall
- Geo based firewall rules
- 1:1 and 1:Many NAT
- Configurable VLANs / DHCP support
- Static Routing
- Client VPN endpoint

- Meraki AutoVPN and L2TP/IPSec VPN endpoint
- Active Directory integration
- Content Filtering
- Malware Protection (AMP) w/ optional Threat Grid integration
- IDS/IPS protection
- Custom Traffic Shaping
- Historical Client Usage statistics
- Netflow support
- Syslog integration
- Remote Packet Capture tools

## Enhance in-store customer connectivity

- Customize shopper experience with branded splash pages
- Allow guest Internet access using Facebook login—and promote your business on customer News Feeds
- Access aggregate demographic data from Facebook check-ins to tailor shopper experience



Wired splash pages with Facebook Login enable intuitive guest access while promoting your brand.

# Benefits of Cloud Managed Security

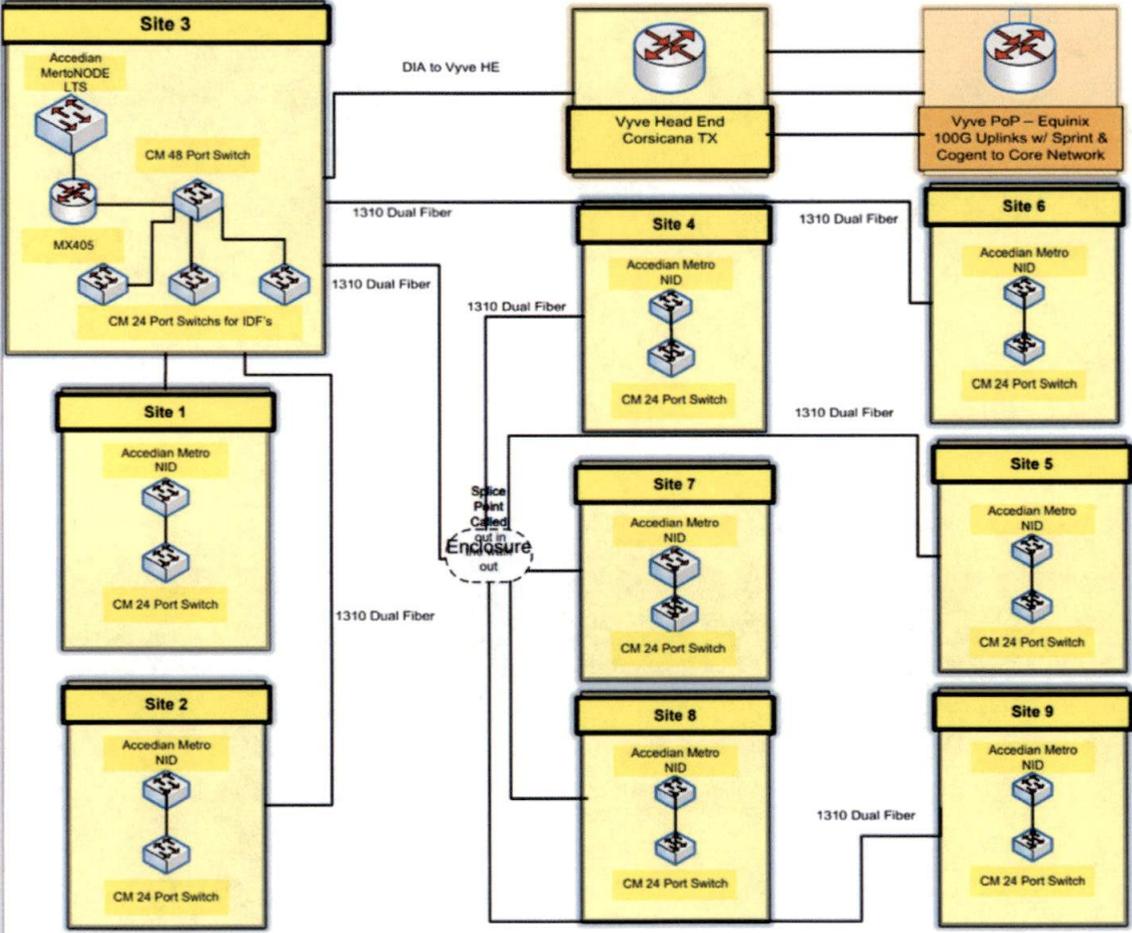
## Protect your Business

- Create secure connections across sites.
- Save money by protecting your network
  - Malware attacks are expensive.
- Free up your time for other business needs.
  - Ideal for companies with small IT teams.
- Automated security reports save time for your team.
- AMP& IDS/IPS technology are updated daily via the cloud.
- Limit bandwidth for groups, individuals, or SSID's to conserve bandwidth for business-critical applications.
- Filter content that could expose your network.
- Block undesirable network usage.
- Choose how you want to prioritize business critical traffic most crucial systems stay online.

# Navarro County Demarc & P-t-P Site Overview



# New Network Diagram



## Navarro County Complex V1



- Need a list of Phone Locations and number of phones per location
- Need Additional Firewall Locations if needed
- All Locations are connected by Single Mode Fiber
- All switches are Cloud Managed
- Designed to Support Vyve's delivery of Hosted Voice

NOTE: We could run direct fiber from Site 8 to Site 5 and remove the Restricted IDF at Site 9 if needed

Project	Navarro County Complex V1
Author	Roger Russell
Version	Version 1

Vyve Broadband Proprietary and Confidential Information

# Pricing

60-Month Term			
SERVICES & FEES	Description	Monthly Recurring Charge	Installation Fee
<b>Ethernet Fiber Solution</b>	2 Gbps Symmetrical DIA - to Courthouse (Demarc)	\$4,100.00	\$0.00
	100 Mbps P-t-P Connections to 8 remote sites		\$0.00
<b>Cloud Managed Security</b>	1-Meraki MX450 Firewal w/SD WAN Licensing	\$1,903.00	\$0.00
	11 - Cisco 24pt PoE Switch	\$896.00	\$0.00
	1 - Cisco 48pt PoE Switch	\$91.00	\$0.00
<b>Total</b>		<b>\$6,990.00</b>	<b>\$0.00</b>

36-Month Term			
SERVICES & FEES	Description	Monthly Recurring Fee	Installation Fee
<b>Ethernet Fiber Solution</b>	2 Gbps Dedicated Internet Access to Courthouse	\$4,100.00	\$0.00
	100 Mbps P-t-P Connections to 8 remote sites		\$0.00
<b>Cloud Managed Security</b>	Meraki MX450 Firewal w/SD WAN Licensing	\$2,280.00	\$0.00
	11 - Cisco 24pt PoE Switch	\$1,364.00	\$0.00
	1-Cisco 48pt PoE Switch	\$147.00	\$0.00
<b>Total</b>		<b>\$7,891.00</b>	<b>\$0.00</b>

**Vyve**  
Business Services

TM

**Thank you**