



Memo

Date: June 2, 2026
To: Mayor, City Council and Staff
Cc: File
From: Brad Wilson, City Recorder
RE: Network Build Out and Refresh

Midway City issued a request for proposals (RFP) for the build out and refresh of its network infrastructure including Wi-Fi. Proposals had to address qualifications and experience, work process, references, and cost. Any party was invited to submit an RFP with copies specifically sent to each company with a state contract to install network infrastructure. Cache Valley Electric Company (CVE) and i.t.NOW submitted proposals.

The following table outlines the costs for each proposal:

Proposal	Installation Cost	Annual Cost	3-Year Cost	5-Year Cost
CVE	\$33,308.00	\$20,558.00	\$94,982.00	\$136,098.00
i.t.NOW	\$225,519.79	\$5,400.00	\$241,719.79	\$252,519.79

The following table evaluates the responses to the required items in the RFP:

Proposal	Qualifications	Work Process	References	Cost	Weighted Score
CVE	10	8	10	10	9.50
i.t.NOW	3	10	0	5	5.00
Weight	25%	25%	15%	35%	

I recommend that CVE be awarded the contract based on the weighted scores.

Please contact me if you have any questions.



REQUEST FOR PROPOSALS

FOR

NETWORK BUILD OUT AND REFRESH

Issued by:
Midway City Corporation
75 North 100 West
PO Box 277
Midway, Utah 84049-0277
1-435-654-3223

INTRODUCTION

Midway City was incorporated in 1891 and became a city in 1971. It has an estimated population of 6,291 (2024). It is governed by a city council, consisting of a mayor and five council members, and has 63 full-time, part-time, and seasonal employees.

LOCATIONS

The following locations require support:

1. Midway City Office Building, 75 North 100 West, Midway, Utah, 84049. Location of servers and employees. Included in the network. Requires wireless network and internet access.
2. Midway Community Center, 160 West Main Street, Midway, Utah, 84049. Included in the network. Requires wireless network and wireless internet access.
3. Midway Town Hall, 120 West Main Street, Midway, Utah, 84049. Includes city owned souvenir shop with employees. Included in the network. Requires wireless network and wireless internet access. Two additional leased retail spaces supported by the wireless network or internet access but logically separated from core IT networks.
4. Midway Town Square, outdoor coverage for the full city block with guest and dedicated vendor access during large events.

INFRASTRUCTURE

The provider will provide any new or refreshed physical cabling in the following locations:

1. Midway City Office Building
2. Midway Community Center
3. Midway Town Hall
4. Midway Town Square outdoor (Including Town Square Pavillion)

The contractor will be responsible for all physical cable installation, network deployment and configuration, and ongoing day-2 configuration, moves, adds, changes, and monitoring/response.

SCOPE

Midway City expects adherence to the following items. By responding to the RFP, you are affirming adherence to all requirements below:

1. The proposed solution must be delivered as a full Network-As-A-Service offering, including all hardware switches, wireless APs, and software licenses, features, maintenance and lifecycle

management - under a one-time installation fee and an ongoing single predictable annual subscription.

2. The proposed solution will require significant increase in the physical cabling to provide network services for all indoor and outdoor locations. This physical cabling work shall be performed by the vendor and shall be a single cost for install and ongoing NaaS solution.
3. The proposed solution must be a single Cloud-native platform and all wired and wireless AP infrastructure, security, visibility, and performance analytics without the need for additional consoles, agents, collectors, or external tools.
4. The proposed solution must be fully Cloud managed by the same vendor manufacturer of the hardware/software and not require on-premise wireless controllers, policy engines, or orchestration appliances.
5. The proposed solution must support zero-touch provisioning and configurations, allowing rapid deployment or redeployment across locations without manual intervention.
6. The proposed solution must support software updates, firmware patches, security fixes in a fully managed manner by the vendor without requiring network downtime.
7. The proposed solution must include all security features, such as rogue detection, DHCP Spoofing prevention, port-level security, zero-trust network segmentation, and anomaly detection without requiring additional licenses, agents, or appliances.
8. The proposed solution must support future City growth and expansion without configuration and architectural changes.
9. Prior to the installation of the solution, the vendor must perform a predictive site survey and documentation of the City network. They will also provide their plans for approval. The City will work with the vendor and share what documentation it can. After installation the vendor will provide a site survey showing actual coverage compared to the predictive site survey.
10. The vendor will provide a project manager to work with the Midway City staff during the installation.

11. The vendor must install their own manufactured wired and wireless equipment using existing CAT5e wiring and if necessary, install additional cabling in CAT6A and multi mode Fiber in indoor and outdoor locations as needed for wireless expansions to ensure redundancy and high capacity. Wireless design must exceed -67 dBm secondary coverage and utilize minimum technical requirements below:

Wireless Access Points:

- Support 2.4 GHz and 5 GHz bands concurrently
- 5Gbps N-BaseT wired link speed
- 4x4:4 radios
- Dedicated WIDS\WIPS radio

Access Switch Requirements:

- Multi-gig (100M to 5 Gbps or higher) or 1 Gbps (10/100/1000 Mbps)
- Multiple 10/25 Gbps uplinks
- Necessary SFP+ optics
- Necessary Stacking Cables
- All ports are PoE-capable
- Redundant hot-swappable power supplies
- Redundant hot-swappable fans

Distribution Switch Requirements:

- 10/25/100 Gbps ports
- Necessary SFP+ optics
- Necessary Stacking Cables
- Redundant hot-swappable power supplies
- Redundant hot-swappable fans

12. The vendor must provide proactive and ongoing maintenance of their solution during pre-determined maintenance windows approved by Midway City staff. This maintenance must include ongoing software upgrades including validation of new releases and ensuring configurations are automatically validated post-upgrade and if necessary, automatically reverted upon problem detection ensuring no downtime during prescribed maintenance windows.

13. The solution must be ZTNA by default and compatible with SSO/SAMLv2, Guest Captive Portal, RADIUS, and MAB authentication to ensure authentication is performed for all users and devices to access the wired and wireless networks.
14. The vendors' NaaS solution must be able to prevent lateral movement (including intra-subnet), prevent snooping and/or man-in-the-middle attacks, and prevent any unauthorized connections. Include any required services to configure and/or migrate security policies to align with this requirement.
15. The vendor must guarantee a Service Level Agreement (SLA) to measure the capability of the network to support users/device business requirements and provide refund credit if not met.
16. The vendor's solution must provide proactive monitoring and alerting of its systems and network connectivity, including wireless connections, authentication, DHCP, DNS, critical applications, and other network services. This monitoring will incorporate metrics performed and collected from the client's perspective and locations.
17. The proposed solution must include a migration and integration planning strategy that allows for existing solutions to run in parallel until replaced.
18. The vendor must work with Midway City and the City's services partners to coordinate any network, security, and systems related to migration and integration services as required.
19. The vendor must provide quarterly reports and yearly business reviews at no cost, with Midway City staff.
20. The proposed solution must extend visibility directly to end users, to provide self-service support, including but not limited to performance monitoring, network status, application status, and wired and wireless device self-onboarding. A user experiencing network-related issues can use the system to submit a ticket to the helpdesk platform automatically, including relevant network statistics and data from the system.
21. The solution must provide guest access network connectivity. The solution must support guest traffic isolation from Enterprise network by default.

SUBMISSION

The contact person for the RFP is:

Brad Wilson
Midway City
PO Box 277
75 North 100 West
Midway City, Utah 84049-0277
1-435-654-3223 x 118
bwilson@midwaycityut.gov

Proposals may be submitted to Mr. Wilson by email, mail or hand-delivery on or before the due date and time. All proposals will become the property of Midway City.

FORMAT

Please include the following items in all proposals:

1. Qualifications and Experience.
2. Work Processes. Please describe:
 - a. How the network will be monitored.
 - b. The response to alerts.
 - c. How requests for assistance will be processed and managed including average response time and average resolution time.
 - d. Ability to handle the physical and logical configuration of the network.
3. References.
4. Cost. (Including all rates and fees both direct and indirect)

TIMETABLE

Action	Date
RFP Issued	April 13, 2026
Due Date for Questions	April 30, 2026
Proposals Due	May 4, 2026
Evaluation	Week of May 11, 2026
Possible Interviews	Week of May 18, 2026
Recommendation	May 25, 2026
Council Approval and Contract Awarded	June 2, 2026
Contract Begins	June 15, 2026

SELECTION CRITERIA

Proposals will be evaluated based on the following criteria:

Criteria	Relative Weight
Qualifications and Experience	25
Work Processes	25
References	15
Cost	35

INSURANCE

Prior to awarding the contract, but not required in the proposal, the contractor shall procure and maintain the following insurance policies:

- Commercial General Liability (1 Million Per Occurrence/2 Million Aggregate)
- Comprehensive Automobile Liability
- Workers’ Compensation
- Professional Liability (Errors and Omissions)

The insurance provided pursuant to this RFP shall be the primary insurance for all claims arising under or related to this contract. The above policies are required to be maintained in force until completion of the contract. Midway City must be named as an additional insured. Failure to provide proof of insurance or failure to maintain insurance as required in this bid, or by law, are grounds for immediate termination of the contract. In addition, the awarded bidder will be liable for all re-procurement costs and any other remedies under law.

CONTRACT TERM

Midway City anticipates that it will award a contract for a three (3) year term with the option, at the City’s sole discretion, of two (2) additional one-year option periods, for a maximum total of five (5) years. The Contract Price shall be firm for the initial three-year term.



RFP Response for

City of Midway RFP Response for Network Build Out and Refresh



1338 South Gustin Road
Salt Lake City, UT 84104
(801) 908-6666
<http://www.cve.com>



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Contact Information

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Points of Contact - CVE Technologies Group, Inc. (CVE)

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Name	Matt Johnson
Title or Role	Solutions Architect
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CVE Technologies Group, Inc.
1338 South Gustin Road
Salt Lake City, UT 84104
(801) 908-6666
<http://www.cvetech.com>



1. Executive Summary

Midway City faces a strategic decision that extends beyond selecting network equipment. You are choosing a partner who understands the unique demands of managing a network that benefits your employees, citizens, and other groups that utilize City facilities.

CVE Technologies Group brings a unique combination of technical depth, operational scale, and cultural understanding to this engagement. Since 2004, our Technology Solutions division has delivered complex, multi-campus network deployments for organizations where network reliability directly impacts mission success. Our recent work deploying enterprise networks for The Church of Jesus Christ of Latter-day Saints' Temple Square campus (58 buildings, 20,000+ concurrent users) and the Intermountain Health Care hospitals and clinics demonstrates our capability to deliver at the scale and quality Midway City requires.

Our Approach to This RFP

Midway City is simultaneously evaluating Network as a Service providers, physical infrastructure and cabling providers and value-added resellers. We recognize this presents both complexity and opportunity. Rather than pushing a preferred vendor, **CVE commits to vendor-neutral guidance** that prioritizes your technical requirements and operational philosophy over our margins.

We understand Midway City has historically favored self-managed network infrastructure or temporary solutions for major festivals installed or managed by changing 3rd party providers or volunteers. While this has provided benefits for the city in the past it has also created challenges in consistency for employees and citizens. CVE Technologies is recommending solutions that retain the benefits of the past while addressing consistency and long-term viability.

Why CVE Technologies Group

- **Engineering-First Culture:** 35 network engineers supporting enterprise accounts, with a 2:1 engineer-to-account-manager ratio that ensures technical depth over sales pressure
- **Integrated Delivery Model:** Our Ground to Cloud Advantage™ means CVE handles everything from fiber infrastructure (Teledata division) through network configuration eliminating coordination headaches across multiple subcontractors
- **Proven at Scale:** Successfully deployed networks supporting 60,000+ concurrent clients with complex requirements including encrypted remote site connectivity and multi-building campus architectures
- **Geographic Presence:** Salt Lake City headquarters with engineers and account management staff physically located in Midway and Wasatch and Summit counties
- **Manufacturer Agnostic Expertise:** Deep technical capabilities across many vendors and solutions
- **Longevity & Stability:** Part of Cache Valley Electric (founded 1915), providing financial stability and institutional staying power for multi-year partnerships



Our Commitment

CVE will deliver vendor-neutral pricing, allowing Midway City to make equipment decisions based on technical merit. We will provide transparent professional services pricing, comprehensive project management, and long-term support that extends well beyond initial deployment. We are not pursuing a transaction we are pursuing a partnership with an organization whose mission we understand and respect.

CVE Technologies Group, Inc. (CVE Tech) is very pleased to provide a proposal that details our responses to the referenced RFP. This response highlights CVE Tech's qualifications to be selected as the primary partner for this project as well as responding to each item in the RFP.

Qualifications and Experience

1.1. CVE Heritage and Evolution

Cache Valley Electric began its tradition of excellence over 110 years ago. Founded in 1915 by Henry Frederick Laub, Cache Valley Electric holds the oldest electrical contracting license in the state of Utah. The privately held electrical construction company continues its recognized reputation for quality. Jim Laub, our current CEO and owner, is the third generation of the Laub family to manage CVE.

The tradition of successfully completing large projects for customers began in 1916, just one year after its founding, when Cache Valley Electric was awarded its first major contract the chemistry building at Utah Agricultural College (now Utah State University). From there, Cache Valley Electric continued its progress, and in the early 1940s CVE was awarded its first contract with a value over one million dollars. Since that time, large, difficult, and demanding projects have been the hallmark of Cache Valley Electric Company.

CVE has progressed from a regional electrical contractor to a nationally ranked top specialty contractor, with projects across the US and around the globe. CVE has a full range of electrical construction experience which includes state-of-the-art smart buildings, data centers, food processing facilities, steel mills, universities, airports, mining and medical facilities.

1.2. Ground to Cloud Advantage™

Cache Valley Electric continues to provide technology solutions for our clients CVE plays an integral part in almost all aspects of electrical construction and technology from the ground to the cloud. The CVE Ground to Cloud Advantage™ has taken 109 years to evolve, always in response to fulfilling customer needs and technological advances. We have been illuminating industry since 1915 and will continue to stay on the leading edge of electrical construction and technology for years to come.

The trademarked phrase Ground to Cloud Advantage encompasses the breadth and depth of what we do. The CVE Ground to Cloud Advantage is comprised of three pillars of excellence:

1. **Electrical Construction** - Complete electrical infrastructure
2. **Power Delivery & Civil Infrastructure** - Utility-scale power systems
3. **Technology Solutions** - Enterprise networking, data centers, structured cabling

This integrated approach means Midway City works with a single organization that handles fiber infrastructure upgrades, power delivery for PoE switching, physical device installation,

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and network engineering eliminating the finger-pointing that occurs when multiple contractors are involved.

1.3. CVE Technologies Group

Established: 2004 (20+ years serving enterprise customers)

Headquarters: Salt Lake City, Utah

Additional Offices: Logan, UT; Hawaii; Oregon; Texas

Legal Entity: CVE Technologies Group, Inc.

Team Composition:

- 35 network engineers with extensive manufacturer certifications
- Multiple CCIEs on staff
- 600+ industry certifications across the organization
- Average employee tenure: 12 years (demonstrating stability and institutional knowledge)
- Engineer-to-Account Manager ratio: 2:1 (engineering-focused culture)

Core Competencies:

- Enterprise campus wired/wireless network design and deployment
- Data center networking and infrastructure
- Network automation and programmability
- Multi-site network management and support
- Structured cabling and fiber optic systems (Teledata division)
- Warehousing, logistics, and inventory management

1.4. Why Customers Choose CVE Technologies

Our customers consistently identify these factors when selecting CVE:

1. **Engineering Depth:** Technical expertise over sales pressure our engineer-heavy staffing model ensures knowledgeable support at every stage
2. **Scale with Flexibility:** Large enough to handle complex, multi-year deployments; small enough to adapt quickly without corporate bureaucracy
3. **Integrated Delivery:** Single point of accountability from fiber to configuration eliminates coordination complexity
4. **Longevity:** 20 years in technology solutions (110 years as CVE) provides confidence we'll be here throughout multi-year partnerships
5. **Mission Alignment:** Experience with organizations where networks serve higher purposes beyond business operations

2. Work Processes

2.1. How will the network be monitored

The network will be continuously monitored using an *outside-in* model based on physical wall-plug sensors, dedicated third radios in every access point, and virtual sensors in switches. These synthetic clients run tests every minute to validate availability, coverage, and capacity, as well as key services like DHCP, DNS, RADIUS, and critical applications, with results streamed to the management cloud for real-time analysis and SLA enforcement. Closed-loop automation and AI/ML analyze this telemetry to detect deviations from normal behavior and automatically maintain optimal performance, enabling a financially backed 99.95% availability/coverage/capacity SLA per building.

2.2. Response to alerts

Alerts are generated in the management portal across service, infrastructure, application, and security categories and can be delivered via in-portal dashboards, email, SMS, webhooks (e.g., ServiceNow), and SIEM integrations (e.g., Splunk, Sumo Logic). Front-line helpdesk and monitor personas can subscribe directly to relevant alerts (e.g., internet down, device failures, policy violations), allowing rapid triage without full admin access, while CVE Tech operations and CSE teams use the same telemetry and alert stream to investigate, auto-remediate where possible, and coordinate incident response workflows. All alerts, audits, and end-user device events are also available in a structured schema for SIEMs to support SOC processes and compliance reporting.

2.3. How Requests for assistance will be processed and managed including average response time and average resolution time

Customer assistance requests are handled through support with severity-based:

- Severity 1: < 4 hours initial response; Severity 2: < 16 hours; Severity 3: < 24 hours.

For hardware incidents, standard response times (from ticket acceptance to shipment or action) are 5 business days, with optional Next-Day and Same-Day response upgrades where available.

CVE Tech commits to making commercially reasonable efforts to meet associated resolution-time targets for incidents impacting the service and tracks MTTR internally; resolution is driven by incident severity, whether hardware replacement is required, and the selected response-time option, all aligned with the 99.95% service availability SLA.

Additionally CVE Tech will provide on site assistance and training for City staff for the outdoor network during the Swiss Days festival or other major City events as requested.



2.4. Ability to handle the physical and logical configuration of the network

CVE Technologies has created an anticipated coverage mapping for indoor and outdoor locations. Please reference Attachment A for this mapping. Physical coverage will include at least 18 indoor, and 14 outdoor wireless access points and 168 PoE switchports to address wired and wireless needs for the City.

CVE Tech will deliver a solution that delivers networking as a cloud-native, service-based platform, where design, deployment, and operations are inherently built into the offering.

For Day-1, the physical design, hardware selection, and deployment plan are developed using standardized service-block design templates. Installation and cabling will be delivered by CVE Tech based on this engineered blueprint. This offering will include new fiber optic connectivity between Midway City buildings, and reinforced outdoor aerial mounted cables.

On the logical side, configurations including SSIDs, segmentation, Zero Trust policies, authentication, and integrations are centrally orchestrated from the cloud based management portal. The goal is to provide a network that largely operates without manual configuration, minimizing traditional, device-level management.

For Day-2 operations, ongoing policy updates, integrations, and monitoring are handled centrally through the platform, eliminating the need for box-by-box CLI management and enabling continuous optimization through automation. All configuration and changes will be delivered and validated by CVE Technologies engineers.



3. References

3.1. References and Relevant Experience

CVE Technologies Group has extensive experience deploying complex networks with government entities and mission-critical environments:

The Church of Jesus Christ of Latter-day Saints - Temple Square Campus Network (2023-2026)

- Scope: 58 buildings including office buildings, museums, Conference Center (supporting 20,000+ attendees)
- Solution: Complete wired and wireless infrastructure upgrade
- Scale: Campus-wide deployment managed through Cisco Catalyst Center
- CVE Role: Engineering design, warehousing/logistics, integration with Teledata team for physical installation and layer 1 fiber upgrades
- Relevance to Midway City: Demonstrates capability to manage large-scale, mission-critical campus networks where downtime directly impacts organizational mission

Park City Municipal (Ongoing)

- Scope: Complete campus network refresh across approximately 10 buildings
- Solution: Network services across municipal buildings, water utility support, and public wifi access (wired and wireless)
- CVE Role: Full engineering support, design, warehousing/logistics, physical installation through Teledata division
- Relevance to Midway City: Direct experience with network deployment in municipal environment.
- **Key Insight:** This project mirrors Midway City's potential path, at a larger scope and scale while considering modern cloud-managed platforms

Huntsman Cancer Institute (Ongoing)

- Scope: Migration from Cisco to Arista across 5-6 buildings
- Solution: Phased deployment during active operations
- Relevance to Midway City: Demonstrates vendor migration expertise and ability to support mixed-vendor environments during transition periods



4. Cost

4.1. CVE's Vendor-Neutral Positioning

CVE Technologies Group commits to providing objective technical guidance across all Network-as-a-Service providers. Unlike VARs that prioritize relationships with specific vendors, we maintain the flexibility to recommend the solution that best fits your technical requirements and operational philosophy.

CVE Technologies is proposing a Network-as-a-Service, NaaS, option with a fixed monthly/yearly cost based on a 5 year commitment. This model includes all software, support and hardware replacement costs and upgrades. This is a predictable expense that will not increase due to supply chain and market dynamics. All pricing conforms to Utah State and NASPO contracts. CVE Technologies believes this is an ideal model Midway City to provide predictable service and budgeting.

Cost breakdown included in accompanying spreadsheets, Attachment B



5. Conclusion

CVE Technologies Network Excellence

The decision before you is clear: CVE Technologies is uniquely positioned to deliver unmatched value through our integrated Ground to Cloud Advantage™. By combining the specialized expertise of CVE Technologies Group and CVE Teledata under one unified approach, we eliminate coordination gaps, reduce risk, and guarantee seamless execution from infrastructure to cloud.

What sets CVE Technologies apart:

- **Proven Integration:** Our Ground to Cloud Advantage™ isn't just a tagline, it's a comprehensive methodology that ensures every layer of your network infrastructure works in perfect harmony
- **Quality Without Compromise:** We deliver code-compliant solutions built to the highest standards, eliminating costly rework and ensuring long-term reliability
- **Future-Ready Vision:** Your network won't just meet today's needs, it will scale and evolve as Midway City's technological demands grow
- **Mission Alignment:** We don't just build networks; we invest time to understand your culture, mission, and community goals, approaching every project with precision, purpose, and respect

While other vendors may offer components of what you need, CVE Technologies delivers the complete package: technical excellence, transparent communication, and unwavering commitment to your success.

CVE Technologies is ready to partner with Midway City on this transformative initiative. We would request the opportunity to discuss the proposed recommendation in person and in depth prior to final selection. CVE Technologies stands by its work and will provide post project validation showing validation of proposed network coverage and quality. We invite you to move forward with confidence, knowing you've selected a partner committed to delivering not just a network, but a competitive advantage for your community.



Legal Notice

Any descriptions of non-CVE products and services in this proposal are provided only as a convenience to the reader. CVE cannot guarantee their accuracy as the products may change over time. Descriptions are intended as brief highlights to aid understanding rather than as thorough coverage. For authoritative descriptions of these products and their features, please consult their respective manufacturers.

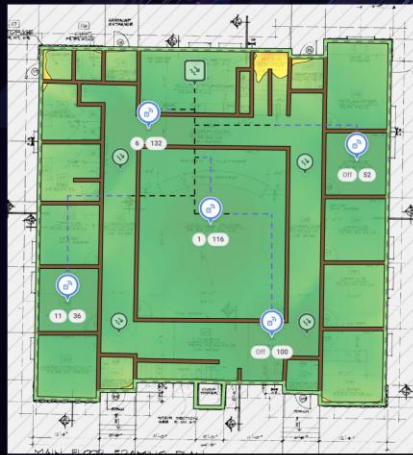
The information contained in this document represents the current view of CVE on the issues discussed as of the date of publication. Because CVE must respond to changing market conditions, this document should not be interpreted as a commitment on the part of CVE. CVE cannot guarantee the accuracy of any information presented after the date of publication.

All product names are the trademarks, or registered trademarks, of their respective companies.

CVE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, IN THIS DOCUMENT.

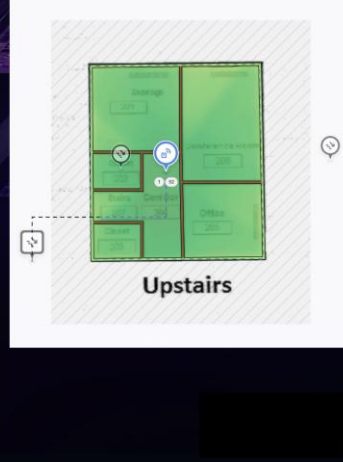
Attachment A – Coverage Maps

City Offices



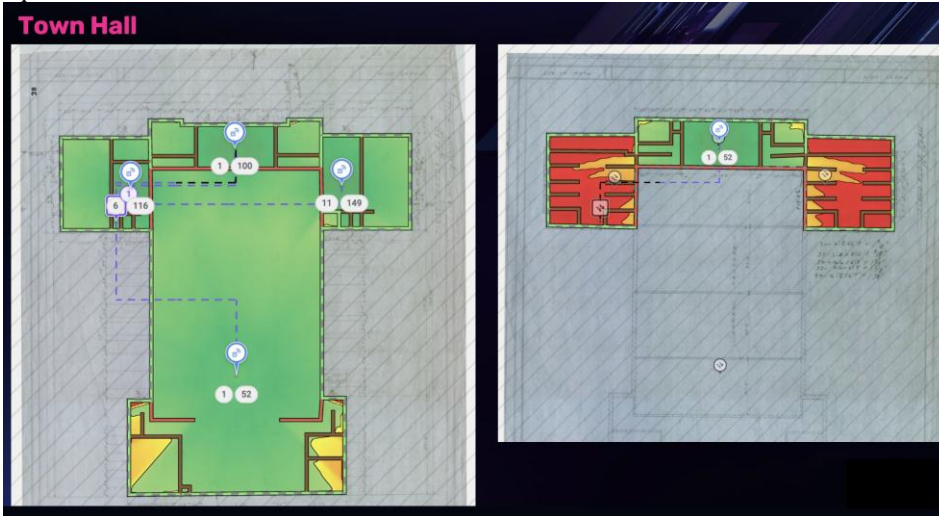
City Offices will have a total of 9 wireless access points providing optimal coverage for the entire building. City staff will have the same experience on the wireless network as when they are physically connected. There will also be new physical network switches that provide connectivity, security, and connection to the firewall/ISP. The current wireless network only has two wireless access points and many dead spots with poor service.

Community Center



Proposed design in the Community Center will include 5 wireless access points on the main floor as opposed to the current single access point. This will allow for full coverage in the

building to the main City network, guest network, and optional dedicated networks for any tenants of the building that need their own dedicated infrastructure. There will also be a 24 port switch to replace the current 8 port switch. There is an optional wireless access point for the upstairs which can be used there or moved to the outdoor coverage for town square.



Proposed design in the Town Hall will include 4 wireless access points on the main floor and one upstairs. This will provide full coverage in all areas with the exception of the storage areas on the top floor. Additionally a 24 port switch will provide wired service for current and future needs. The network will provide employee access, guest network and tenant services. This build will replace the current single wireless access point.



Outdoor coverage will feature 14 wireless access points that will provide coverage across the square. These access points will utilize existing infrastructure, light poles, buildings, etc, for mounting and will be connected via outdoor rated cabling. CVE Tech will also connect all buildings on the square via fiber optic cabling for high speed transmission. The outdoor network is entirely net new to the City network and will provide access to main City network, guest network, and can be configured with a special network for festivals like Swiss Days. This festival network can be prioritized and secured for specific uses allowing the City to provide dedicated connectivity during high traffic times when cellular networks are overwhelmed.



Attachment B – Pricing

Indoor WiFi - City Offices, Community Center, Town Hall	
Per Year Cost	\$ 12,306.00
Outdoor Wifi - Town Square	
Per Year Cost	\$ 8,252.00

Total Yearly Cost \$ 20,558.00

Installation and Cabling	
One Time Cost	\$ 33,308.00

Year 1 Total	\$ 53,866.00
Year 2-5 Total billed yearly	\$ 20,558.00

CVE Technologies provides these costs as not-exceed-pricing. Prices are valid for 30 days. Installation and Cabling are based on estimates for fiber optic and copper cabling lengths, actual material costs will be reviewed and revised prior to final vendor selection. CVE Technologies requests price review with Midway City prior to final vendor selection and contract award.



We have prepared a quote for you

Midway - Main City Building WiFi + Networking

Quote # 031121
Version 1

Prepared for:

Midway City Corporation

Brad Wilson
bwilson@midwaycityut.gov

Project Hardware

Description	Price	Qty	Ext. Price
"Due to market hardware pricing volatility, we cannot guarantee the accuracy of the quoted price. Quote pricing may change at any time."			
10GB-SR SFP+ Short Reach Fiber Module 10GB-SR SFP+ Short Reach Fiber Module	\$195.00	5	\$975.00
SonicWall TZ680 FIREWALL SECURE UPGRADE PLUS SonicWall TZ680 FIREWALL SECURE UPGRADE PLUS	\$5,785.11	1	\$5,785.11
SonicWall TZ680 HIGH AVAILABILITY SonicWall TZ680 HIGH AVAILABILITY	\$1,470.79	1	\$1,470.79
SonicWall AC Adapter Redundant power bricks for the Sonicwalls	\$48.06	2	\$96.12
SonicWall Rack Mount for Firewall SonicWall Rack Mount for Firewall	\$187.91	2	\$375.82
Switch Pro XG Aggregation Switch Pro XG Aggregation	\$2,628.80	1	\$2,628.80
Ubiquiti Pro XG Ethernet Switch - 48 Ports - Manageable Ubiquiti Pro XG Ethernet Switch - 48 Ports - Manageable	\$2,626.33	2	\$5,252.66
Smart Power PDU Pro Ubiquiti Smart Power PDU Pro	\$293.19	2	\$586.38
RPS UniFi Redundant Power System RPS UniFi Redundant Power System	\$422.00	1	\$422.00
16-PoE Ethernet Switch - 16 Ports - Manageable 16-PoE Ethernet Switch - 16 Ports - Manageable - Gigabit Ethernet, 2.5 Gigabit Ethernet, 10 Gigabit Ethernet - 10/100/1000Base-T	\$421.99	1	\$421.99
UniFi Ether-lighting Patch Cable 0.3m White Miscellaneous Hardware to mount Computers under desk in new Clinic	\$4.72	100	\$472.00

Project Hardware

Description	Price	Qty	Ext. Price
WiFi - U7-Pro Wireless Access Point WiFi - U7-Pro Wireless Access Point 6 spatial streams 1,500 ft ² coverage 300+ connected devices Data Rates: 802.11ac - 6.5 Mbps to 1.7 Gbps 802.11ax - (WiFi 6/6E) 7.3 Mbps to 2.4 Gbps 802.11be - (WiFi 7) 7.3 Mbps to 5.7 Gbps Max Power Consumption: 21W Powered by Gigabit 802.3af PoE+ (adapter sold separately)	\$215.74	9	\$1,941.66
25' CAT6 Network Cable 25' CAT6 Network Cable	\$13.85	10	\$138.50
In-Wall Ethernet cabling/Miscellaneous Purpose. In-Wall Ethernet cabling/Miscellaneous Purpose.	\$0.98	500	\$490.00
Cable UniFi SmartPower Cable 1.5m Cable UniFi SmartPower Cable 1.5m	\$30.53	3	\$91.59
1.5ft fiber cables MMF (6 Pack) 1.5ft fiber cables MMF	\$38.45	1	\$38.45
3ft fiber cables MMF (6 Pack) 1.5ft fiber cables MMF (6 Pack)	\$32.04	1	\$32.04
1.5ft fiber patch cables SMF (6 Pack) 1.5ft fiber patch cables SMF (6 Pack)	\$38.45	2	\$76.90
3ft fiber patch cables SMF (6 pack) 3ft fiber patch cables SMF (6 pack)	\$28.83	2	\$57.66
10' CAT6 Network Cable 10' CAT6 Network Cable	\$7.82	10	\$78.20
5' CAT6 Network Cable 5' CAT6 Network Cable	\$4.97	10	\$49.70

Project Hardware

Description	Price	Qty	Ext. Price
3' CAT6 Network Cable	\$4.68	10	\$46.80
3' CAT6 Network Cable			
Brady label tape	\$29.99	1	\$29.99
Brady label tape			
25G Direct Attach Cable	\$28.55	2	\$57.10
25G Direct Attach Cable			
10/1g SFP+ Fiber transceivers Single-Mode (2 Pack)	\$102.58	8	\$820.64
10/1g SFP+ Fiber transceivers Single-Mode (2 Pack)			
25/10/1G SFP28 Single-Mode Optical Module	\$136.49	6	\$818.94
25/10/1G SFP28 Single-Mode Optical Module			
APC 3000VA Lithium Ion UPS	\$5,109.74	2	\$10,219.48
APC 3000VA Lithium Ion UPS			
UI CARE FOR ALL UNIFI DEVICES	\$1,500.00	1	\$1,500.00
UI CARE FOR ALL UNIFI DEVICES			

Subtotal: \$34,974.32

Estimated Project Labor @ \$195/hr.

Description	Price	Qty	Ext. Price
Estimated Project Labor Hours	\$195.00	60	\$11,700.00
Estimated project labor hours. Actual hours will be billed. See "Statement of Work" for project details			
Project Management:	\$1,800.00	1	\$1,800.00
Project Management:			

Subtotal: \$13,500.00

Statement of Work

Midway City Main Office Wireless + Networking Refresh Project Scoped by Christopher Thatcher, Sr. Project Engineer III

Project dates are TBD

Executive Summary

This project will upgrade the Main Office network infrastructure supporting both Midway City's daily operations and the Swiss Days event environment with a high-capacity, redundant, and event-ready firewall, switching, wireless, fiber, and power foundation.

The Main Office design will serve as the primary network core for Midway City, supporting day-to-day city network operations as well as the Swiss Days event environment. This includes the city's primary LAN, management network, internal wireless, Internet edge, firewall/security services, VLAN segmentation, and aggregation for event-related connectivity.

Scope Summary

The Main Office quote includes a redundant SonicWall firewall design using a TZ680 primary firewall and TZ680 HA firewall, including rack mount kits, redundant power supplies, and 10G SFP+ optics. This firewall platform was selected after confirming that the expected Internet service is approximately 2.5-5 Gbps, making the TZ680 HA design an appropriate cost/performance fit while maintaining high availability and 10G physical handoff capability. The switching design includes a UniFi Pro Aggregation switch and UniFi Pro XG 48 PoE switches. This switching platform provides the required 25G / 10G capable infrastructure while supporting high-speed uplinks, PoE distribution, VLAN segmentation, and future growth. Although the expected PoE load is modest, the switch selection is intentionally sized around high-speed backbone capability, port density, resiliency, and long-term reuse by the city. The updated fiber design uses single-mode fiber (SMF) for all structured fiber runs throughout the project, including switch-to-switch connections and outdoor enclosure switch uplinks. This provides a cleaner and more consistent fiber standard across the environment while improving long-term scalability for future network upgrades. Multimode fiber (MMF) will only be used for short local patching between the SonicWall firewalls, as that connection does not require a structured fiber run.

Power resiliency will be provided through an APC 3000VA lithium-ion rackmount UPS, two UniFi USP-PDU-Pro power distribution units, and a UniFi USP-RPS redundant power system for the UniFi switching stack. The dual PDU design allows the power load to be distributed across the rack and provides improved outlet-level monitoring and control. The USP-RPS will provide backup DC power for supported UniFi switches.

The Main Office quote also includes nine UniFi U7-Pro access points for the main building, patch cabling, single-mode fiber patch cables, SonicWall local patching, labeling materials, UniFi optics, DAC cables, UI Care coverage, and labor for deployment and configuration. The separate

Statement of Work

USW-Pro-Max-16-PoE line item is included in the material list for the Ice Rink switch replacement and is not part of the Main Office rack design or UPS/PDU load calculation.

Design Intent

The proposed Main Office network is designed to provide:

- **Redundant firewall protection using SonicWall HA**
- **2.5–5 Gbps Internet readiness with 10G physical handoff capability**
- **High-speed 25G/10G-capable UniFi switching**
- **UniFi Pro XG 48 PoE switching for high-speed access and backbone connectivity**
- **Single-mode fiber as the standard for all structured fiber runs**
- **Multimode fiber only for short local SonicWall-to-SonicWall patching**
- **PoE support for Main Office APs and connected devices**
- **Segmentation support for city LAN, management, staff, public Wi-Fi, vendor/payment, and event VLANs**
- **UPS-backed runtime for short power interruptions**
- **Redundant UniFi switch power support through USP-RPS**
- **Clean rack power distribution through dual USP-PDU-Pro units**
- **Internal wireless upgrade using U7-Pro access points**
- **Event-ready monitoring, supportability, and hardware resiliency**

Exclusions

The following items are not included in this Main Office quote:

- **Full rack enclosure**
- **Structured cabling and wiring vendor labor**
- **Permanent fiber installation labor beyond included patching and equipment-side connectivity**
- **ISP circuit provisioning**
- **Electrical work and dedicated UPS circuit installation**

Implementation Overview

Implementation will include staging and configuration of the SonicWall HA firewall pair, UniFi aggregation and Pro XG PoE switching, UPS/PDU layout, VLANs, firewall zones, routing, DHCP relay design, UniFi adoption, fiber patching, and internal wireless deployment.

The firewall configuration will be migrated or rebuilt from the existing SonicWall environment as appropriate, with special attention paid to interface mapping, VLAN structure, NAT policies, security services, and HA behavior.

The fiber implementation will standardize on single-mode fiber for structured runs, including links between the Pro XG switching infrastructure and outdoor enclosure switches. This provides a consistent fiber standard and a stronger long-term upgrade path. Short local MMF patching will only be used where appropriate between the SonicWall firewalls and does not represent a structured fiber run.

Statement of Work

Windows Server DHCP is recommended for larger VLANs, with DHCP relay configured on the routing device that owns each VLAN gateway. This will allow the firewall and switching infrastructure to focus on routing, security, NAT, and network traffic handling while Windows DHCP provides scalable lease management for larger client counts.

Business Justification

This design provides a strong balance between performance, redundancy, RFP compliance, and cost control. The firewall design was sized around the expected 2.5–5 Gbps Internet service while still providing high availability, 10G handoff capability, and security services.

The UniFi switching design is intentionally oversized from a PoE wattage standpoint, but appropriately sized for the 25G/10G capability requirement, high-speed backbone design, and future city reuse. The use of UniFi Pro XG 48 PoE switching provides a stronger access-layer and backbone platform for the Main Office environment.

The decision to standardize structured fiber runs on single-mode fiber provides better long-term flexibility and scalability. This avoids mixing fiber types across structured runs and better positions the city for future higher-speed fiber upgrades. MMF will only be used for short local SonicWall patching where it is practical and does not impact the structured fiber design.

The combination of SonicWall HA, UniFi Pro XG switching, single-mode fiber, UPS-backed power, redundant switch power, and structured VLAN support creates a resilient Main Office network core for Midway City's daily operations and the Swiss Days event environment.

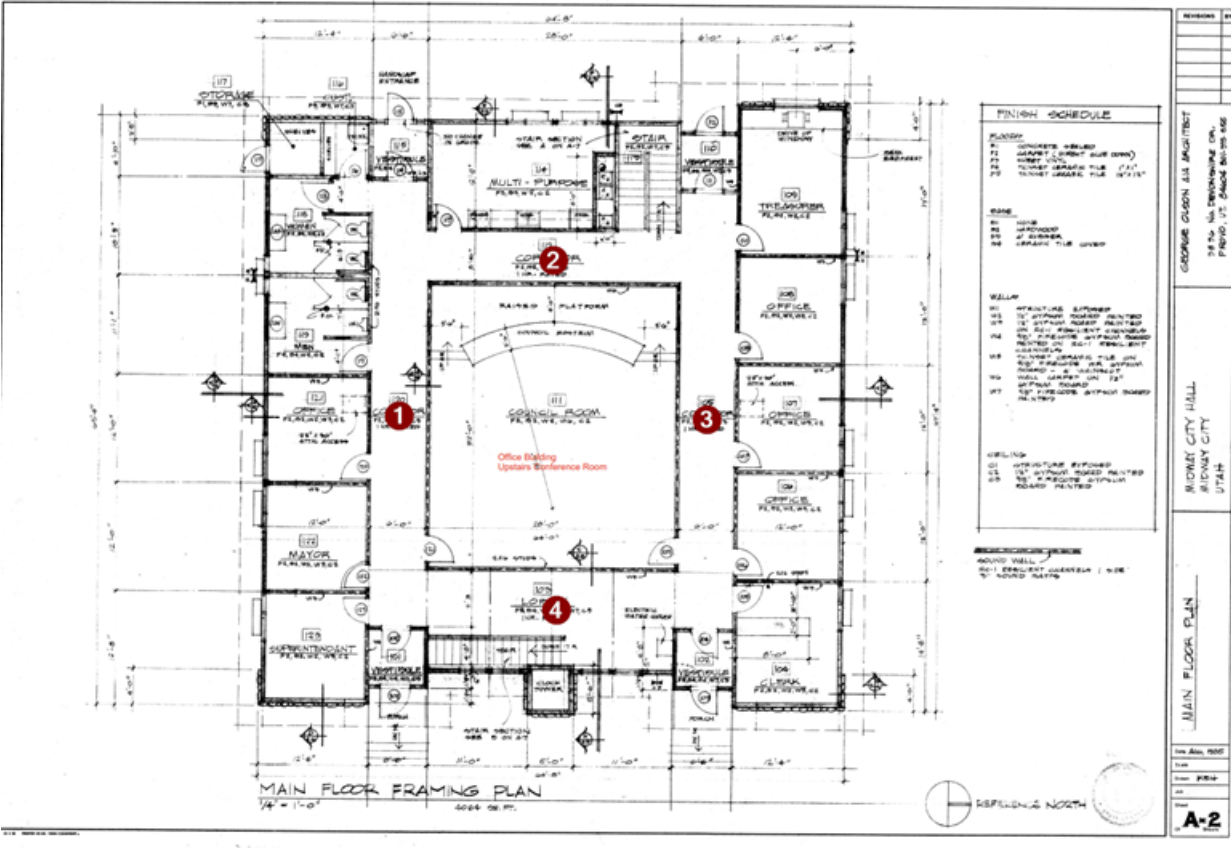
Recommended Outcome

Proceed with the Main Office infrastructure quote as revised, with final validation of power receptacles, UPS/PDU compatibility, SonicWall licensing, RPS cable assignments, UniFi optic selection, and fiber patching requirements before ordering.

The design is technically sound for the expected 2.5–5 Gbps Internet requirement and provides a scalable core for Midway City's ongoing network needs and event operations.

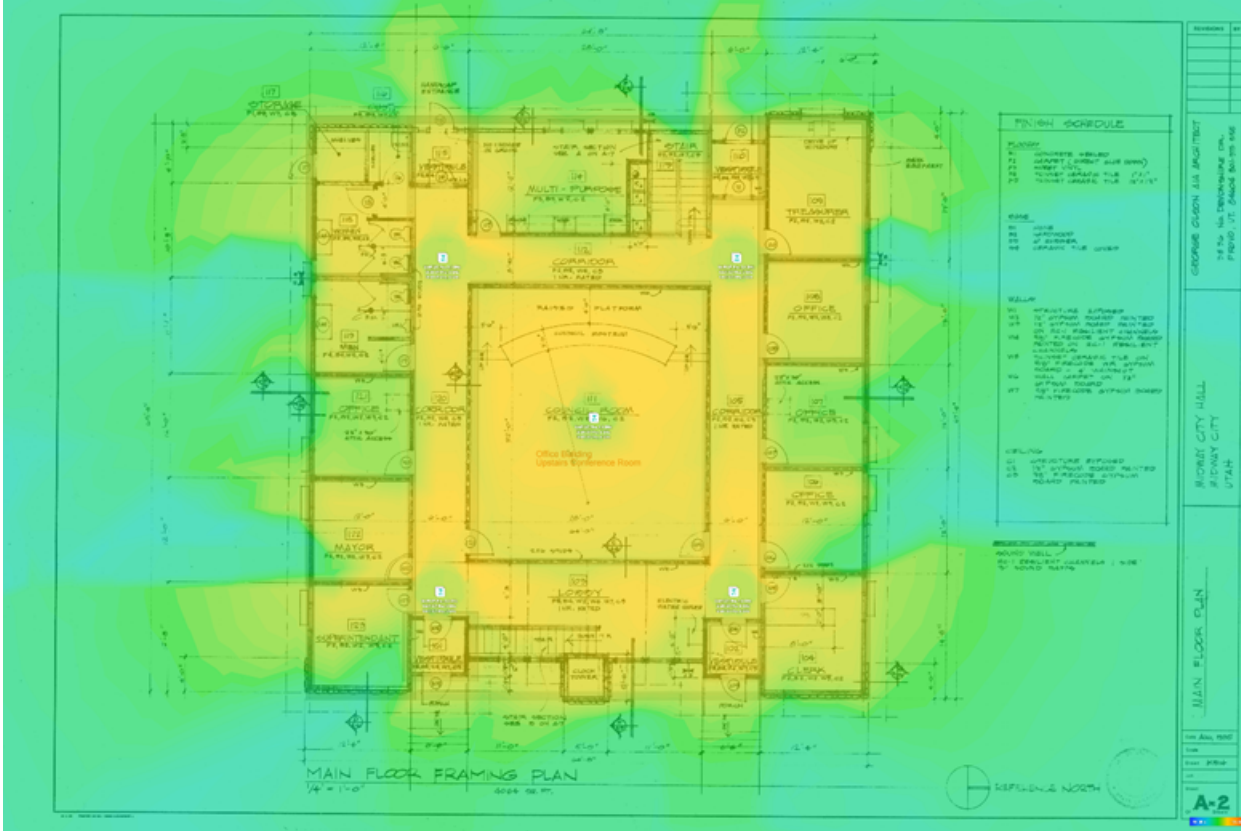
1st Floor Wireless Access Point Locations

Statement of Work



1st Floor WiFi Predictive Heat Map

Statement of Work



Basement Floor WiFi Predictive Heat Map

Statement of Work

planning phase. All on-site requirements are communicated and coordinated with the client and updated on the project plan. Data is migrated and backed up as required by the project and includes all documentation and project closure communication to the client. Any problems or service related issues are to be opened and documented as project tickets and to be worked by the project engineer or appropriate delegation to the project team. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Document all changes as they are being made
2. Install power backups
3. Install Firewalls
4. Install switches + cable clean-up
5. Install Access Points
6. Optimize wireless
7. Document

Phase 3 – Completion

This phase is the completion and wrap-up steps of the project and ensure all expectations of the client have been met through a project wrap-up meeting. All old hardware/software is decommissioned and disposed of properly on behalf of the client. Modification of the billing agreement takes place to ensure proper invoicing and a project satisfaction survey is sent out to the customer for feedback. Project is review for timeline adherence and profitability with the team.

1. Follow-up with client
 - a. Conduct meeting with client to go over project
 - b. Discuss what work has been done
 - c. Make sure the client does not have any outstanding issues that need to be addressed
 - d. Document meeting in project ticket
2. Server room cleanup
 - a. Remove unused equipment
 - b. Install cable management if necessary
 - c. Make sure all cables are tied down neatly
 - d. Label all equipment as necessary to assist with support
3. Documentation
 - a. Conduct audit of documentation system to ensure that all project changes are reflected
 - b. Take pictures of server room if any physical changes have been done
 - c. Upload pictures to documentation system

Total Estimated Time: 60 hrs

Midway - Main City Building WiFi + Networking



Prepared by:

i.t.NOW
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Prepared for:

Midway City Corporation
75 North 100 West
PO Box 277
Midway, UT 84049
Brad Wilson
(435) 654-3223
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Quote Information:

Quote #: 031121
Version: 1
Delivery Date: 05/18/2026
Expiration Date: 08/16/2026

Quote Summary

Description	Amount
Project Hardware	\$34,974.32
Estimated Project Labor @ \$195/hr.	\$13,500.00
Total:	\$48,474.32

Terms: 100% down payment on all hardware required prior to order. Please do not pay from the quote, we will invoice you. Remaining balance, including all installation costs, due upon completion of install. As a Registered Partner with Dell, i.t.NOW provides Dell computers to our clients at a discounted price. All warranties are provided by Dell and not i.t.NOW. All Dell products are custom ordered for each client and may be subject to a restocking fee of up to 50%. Please verify all configurations before placing any order. i.t.NOW is not responsible for any shipping delays or delays due to replacement of parts damaged in shipping.

i.t.NOW

Signature: _____
Name: Jared Hunt
Title: Sr. Account Manager
Date: 05/18/2026

Midway City Corporation

Signature: _____
Name: Brad Wilson
Date: _____



We have prepared a quote for you

Community Center WiFi + Networking

Quote # 031120
Version 1

Prepared for:

Midway City Corporation

Brad Wilson
bwilson@midwaycityut.gov

Project Hardware

Description	Price	Qty	Ext. Price
"Due to market hardware pricing volatility, we cannot guarantee the accuracy of the quoted price. Quote pricing may change at any time."			
USW-Pro-XG-24-PoE (720W) USW-Pro-XG-24-PoE (720W)	\$1,892.90	1	\$1,892.90
APC 500va Li-ION APC 500va Li-ION	\$504.90	1	\$504.90
USP-RPS UniFi Redundant Power System USP-RPS UniFi Redundant Power System	\$429.99	1	\$429.99
WiFi - U7-Pro Wireless Access Point 6 spatial streams1,500 ft ² coverage300+ connected devicesData Rates:802.11ac - 6.5 Mbps to 1.7 Gbps 802.11ax - (WiFi 6/6E) 7.3 Mbps to 2.4 Gbps 802.11be - (WiFi 7) 7.3 Mbps to 5.7 GbpsMax Power Consumption: 2 WiFi - U7-Pro Wireless Access Point 6 spatial streams 1,500 ft ² coverage 300+ connected devices Data Rates: 802.11ac - 6.5 Mbps to 1.7 Gbps 802.11ax - (WiFi 6/6E) 7.3 Mbps to 2.4 Gbps 802.11be - (WiFi 7) 7.3 Mbps to 5.7 Gbps Max Power Consumption: 21W Powered by Gigabit 802.3af PoE+ (adapter sold separately)	\$215.74	8	\$1,725.92
25' CAT6 Network Cable 25' CAT6 Network Cable	\$13.85	8	\$110.80
UniFi Etherlighting Patch Cable 0.3m White UniFi Etherlighting Patch Cable 0.3m White	\$4.72	24	\$113.28
Cable UniFi SmartPower Cable 1.5m Cable UniFi SmartPower Cable 1.5m	\$30.53	1	\$30.53

Project Hardware

Description	Price	Qty	Ext. Price
Smart Power PDU Pro SmartPower PDU Pro	\$293.19	1	\$293.19

Subtotal: \$5,101.51

Estimated Project Labor @ \$195/hr.

Description	Price	Qty	Ext. Price
Estimated Project Labor Hours Estimated project labor hours. Actual hours will be billed. See "Statement of Work" for project details	\$195.00	24	\$4,680.00



Subtotal: \$4,680.00

Statement of Work

Midway City Community Center Wireless + Networking Project Scoped by Christopher Thatcher, Sr. Project Engineer III

Project dates are TBD

Executive Summary

This project will upgrade the Community Center network infrastructure to support internal wireless connectivity and nearby outdoor event wireless deployments associated with Swiss Days. Although this is a smaller location than the Main Office, the Community Center will serve as a local high-speed PoE distribution point for both building wireless and E7 Campus access points located within standard Ethernet distance limits.

The Community Center design includes a UniFi Pro XG 24 PoE switch, which provides the 10G-capable PoE connectivity needed to support high-performance wireless infrastructure. This switch will support the building's internal wireless system as well as nearby outdoor E7 Campus AP deployments within the practical 300 ft copper cabling range.

Scope Summary

The Community Center quote includes the network equipment and labor required to support the local switching, wireless, power protection, and UniFi integration for this location. The physical rack enclosure and structured cabling will be provided by the wiring vendor and are not included in this quote.

The wireless portion of the design includes eight UniFi U7-Pro access points for internal wireless coverage. These APs will provide upgraded Wi-Fi performance for the Community Center while tying into the same UniFi network ecosystem used across the broader Swiss Days and Midway City network design.

The switching platform is intentionally sized beyond the needs of basic indoor wireless. The USW-Pro-XG-24-PoE is being selected to support high-speed PoE access for internal APs and nearby E7 Campus Aps and 25G backbone allowing the Community Center to act as a local distribution point for outdoor wireless coverage where cable distance permits.

Included Materials and Services

The Community Center scope includes:

- **USW-Pro-XG-24-PoE high-speed PoE switch**
- **USP-RPS redundant power system**
- **USP-RPS cable**
- **APC 500VA lithium-ion UPS**
- **Eight UniFi U7-Pro access points**
- **Eight 25 ft Cat6A patch cables**
- **Twenty-four UniFi UACC-Cable-Patch-EL-0.3M-W patch cables**
- **24 hours of professional services labor**

Statement of Work

Design Intent

The proposed Community Center network is designed to provide:

- Local high-speed PoE switching for the Community Center
- Internal Wi-Fi upgrade using U7-Pro access points
- 25G-switch-switch backbone
- 10G-capable PoE connectivity for nearby E7 Campus AP deployments
- Support for outdoor AP locations within practical Ethernet distance limits
- Redundant switch power support through USP-RPS
- Short-duration UPS-backed power protection
- Clean rack-mounted integration into the wiring vendor-provided rack
- Scalable infrastructure that can support both city operations and Swiss Days event needs

Rack and Cabling Responsibility

The physical rack enclosure, rack installation, structured cabling, and permanent cabling pathways will be handled by the wiring vendor. The rack should be sized and selected to properly house the USW-Pro-XG-24-PoE, USP-RPS, APC UPS, patching, and cable management.

Recommended rack characteristics for the wiring vendor:

- 12U capacity or larger
- Minimum 24" usable depth
- Four-post or UPS-depth wall-mount design
- Locking front door
- Ventilation
- Swing-out or removable side access if possible
- Space for patching, cable management, and service access

A shallow wall cabinet should be avoided because the USW-Pro-XG-24-PoE requires additional depth for rack mounting, cabling, airflow, and service access.

Implementation Overview

Implementation will include staging and configuration of the Community Center UniFi switch, USP-RPS setup, APC UPS placement, UniFi adoption, VLAN and uplink configuration as required, deployment of the internal U7-Pro access points, patching, labeling, and validation of connectivity.

Where the Community Center switch supports nearby outdoor E7 Campus APs, outdoor cabling should remain within the standard Ethernet distance limitation of 100 meters / 328 ft, with 300 ft used as a practical planning target. Any outdoor copper runs should include appropriate surge protection, grounding, weather-rated cabling/pathways, and labeling as part of the outdoor cabling or wireless deployment scope.

Business Justification

This design provides a compact but capable network upgrade for the Community Center. The switch selection is intentionally more powerful than a basic access switch because the

Statement of Work

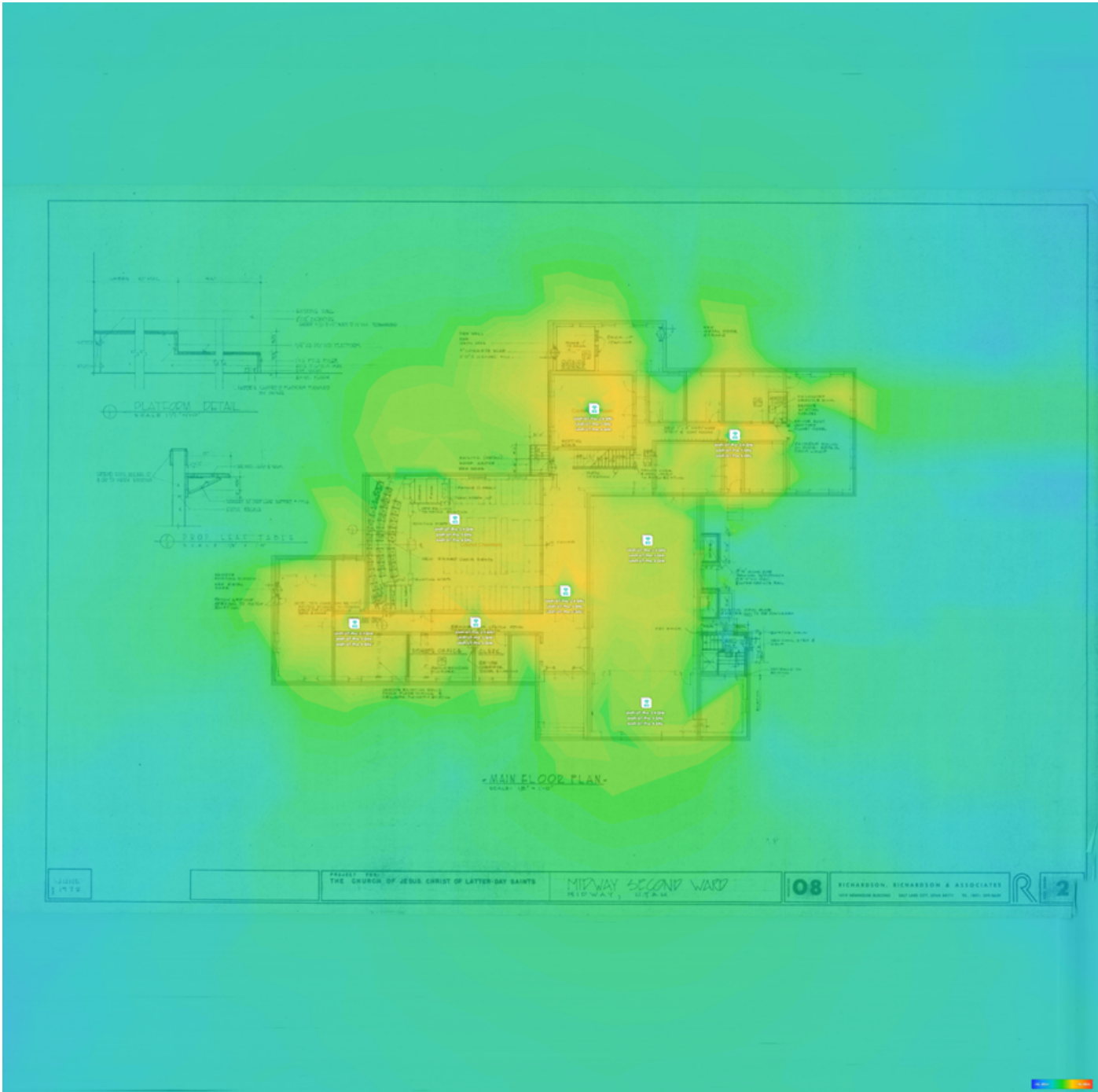
Community Center will support both indoor wireless and nearby outdoor high-density AP deployments. This allows the building to function as a useful local network distribution point for Swiss Days while also improving day-to-day wireless service inside the facility. The combination of UniFi Pro XG switching, U7-Pro wireless, UPS-backed power, and USP-RPS redundant switch power provides a resilient and scalable foundation without the larger infrastructure footprint required at the Main Office.

Recommended Outcome

Proceed with the Community Center network upgrade using the USW-Pro-XG-24-PoE, USP-RPS, APC lithium-ion UPS, and eight U7-Pro access points, with the physical rack and structured cabling provided by the wiring vendor. This design is appropriate for the Community Center's role as a smaller site while still supporting high-speed PoE connectivity for nearby E7 Campus wireless deployments.

Main Floor Wireless Access Point Locations

▶ Statement of Work



Phase 1 - Configuration

This phase is the configuration and deployment of the project based on the statement of work as set forth in the project pre-planning phase. All hardware/software is configured and documented appropriately and then delivered to the client as appropriate. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete

Statement of Work

the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Gather all required hardware/software
2. Conduct meeting with client to discuss project
 - a. Emphasize major milestones
 - b. Go over any planned downtimes
 - c. Set preliminary schedules for expected service interruptions

- a. Document meeting in project ticket
 1. Configure, adopt and document
 2. Verify wiring, electrical is in place and ready for installation
 3. Prepare equipment for installation

Phase 2 – Execution

This phase is the on-site delivery of the hardware/software based on the statement of work as set forth in the project pre-planning phase. All on-site requirements are communicated and coordinated with the client and updated on the project plan. Data is migrated and backed up as required by the project and includes all documentation and project closure communication to the client. Any problems or service related issues are to be opened and documented as project tickets and to be worked by the project engineer or appropriate delegation to the project team. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Document all changes as they are being made
2. Install APC power backup
3. Install redundant power supply for Unifi equipment
4. Install switch
5. Install Access Points
6. Take pictures and document

Phase 3 – Completion

This phase is the completion and wrap-up steps of the project and ensure all expectations of the client have been met through a project wrap-up meeting. All old hardware/software is decommissioned and disposed of properly on behalf of the client. Modification of the billing agreement takes place to ensure proper invoicing and a project satisfaction survey is sent out to the customer for feedback. Project is review for timeline adherence and profitability with the team.

1. Follow-up with client
 - a. Conduct meeting with client to go over project
 - b. Discuss what work has been done
 - c. Make sure the client does not have any outstanding issues that need to be addressed
 - d. Document meeting in project ticket
2. Server room cleanup
 - a. Remove unused equipment
 - b. Install cable management if necessary

Statement of Work

- c. Make sure all cables are tied down neatly
- d. Label all equipment as necessary to assist with support
- 3. Documentation
 - a. Conduct audit of documentation system to ensure that all project changes are reflected
 - b. Take pictures of server room if any physical changes have been done
 - c. Upload pictures to documentation system

Total Estimated Time: 24 hrs

Community Center WiFi + Networking



Prepared by:

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Quote Information:

Quote #: 031120
Version: 1
Delivery Date: 05/18/2026
Expiration Date: 08/16/2026

Quote Summary

Description	Amount
Project Hardware	\$5,101.51
Estimated Project Labor @ \$195/hr.	\$4,680.00
Total:	\$9,781.51

Terms: 100% down payment on all hardware required prior to order. Please do not pay from the quote, we will invoice you. Remaining balance, including all installation costs, due upon completion of install. As a Registered Partner with Dell, i.t.NOW provides Dell computers to our clients at a discounted price. All warranties are provided by Dell and not i.t.NOW. All Dell products are custom ordered for each client and may be subject to a restocking fee of up to 50%. Please verify all configurations before placing any order. i.t.NOW is not responsible for any shipping delays or delays due to replacement of parts damaged in shipping.

i.t.NOW

Signature: _____
Name: Jared Hunt
Title: Sr. Account Manager
Date: 05/18/2026

Midway City Corporation

Signature: _____
Name: Brad Wilson
Date: _____



We have prepared a quote for you

Midway City- Fiber & Cat6A Structured Cabling

Quote # 031118
Version 1

Prepared for:

Midway City Corporation

Craig Simons
csimons@midwaycityut.gov

Fiber & Cat6A Structured Cabling Statement of Work

Scope of work: Fiber & Cat6A Structured Cabling for Midway City WAPS

i.t.NOW via IES Communications (IES) will provide labor and material for the following:

- (1) 24 strand MM fiber from Midway Government Offices to Ice Skating Rink
- (1) 6 strand MM fiber from Midway Government Offices to Switch Enclosure #2
- (1) 6 strand MM fiber from Ice Skating Rink to Switch Enclosure #1
- (1) 6 strand MM fiber from Ice Skating Rink to Switch Enclosure #3
- (1) 12 strand MM fiber from Midway Government Offices to Town Hall
- (1) 6 strand MM fiber from Town Hall to Community Center
- (44) Cat6A OSP cables to (22) Outdoor WAP Locations
- (16) Cat6A CMP cables to (8) WAP locations at Community Center
- (10) Cat6A CMP cables to (5) WAP locations at Main Office 1st Floor
- (8) Cat6A CMP cables to (4) WAP locations at Main Office 2nd Floor
- (20) Cat6A CMP cables to (10) WAP locations at Town Hall 1st Floor
- (4) Cat6A CMP cables to (2) WAP locations at Town Hall 2nd Floor
- (3) 12U Wall Mount Racks with fan kits
 - hook pathway for new indoor WAPs
- Labor to install (3) NEMA enclosures
- Labor to install (51) WAPs
- Labor to label, terminate, and test the (75) new Cat6A cables
- Boom lift rental for outdoor WAP locations
- IES Labor for terminating, testing and certifying of new fiber cable

Fiber & Cat6A Structured Cabling Statement of Work

Assumptions & Exclusions

Assumptions

The following assumptions are included in this proposal:

- Any requested changes to the scope of work require a written change order prior to performing the work.
- Equipment rentals are billed monthly.
- Due to extreme supply chain volatility, that all material pricing and material delivery schedules are subject to change. If this impacts the project schedule, we will discuss with the Customer on how to proceed.
- All furniture entrances are located at the point closest to the TR/IDF.

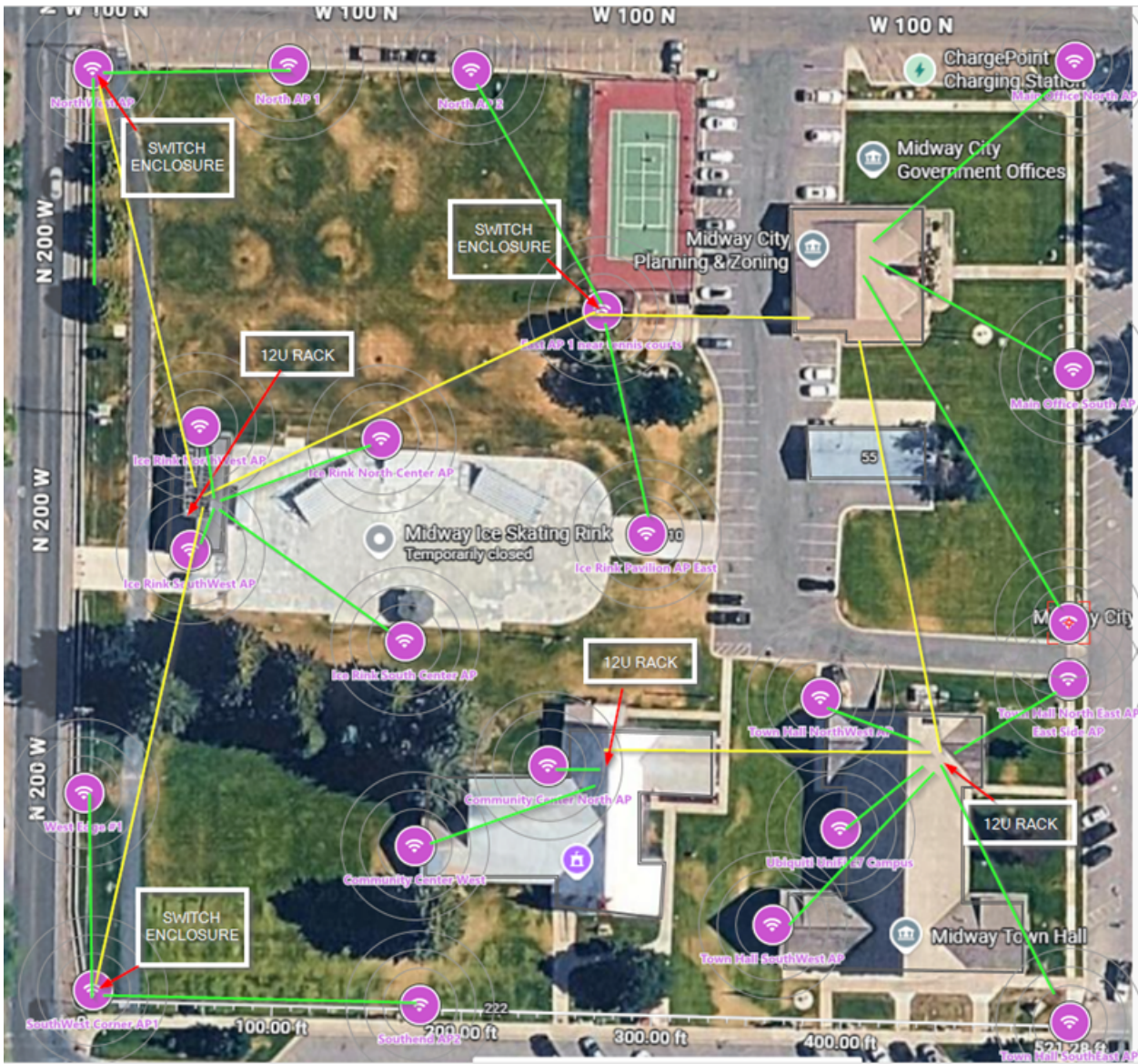
Exclusions

The following are excluded from this proposal:

- Supply or install conduit.
- Supply or install any electrical.
- Architecture, engineer design, consulting fees, or engineered stamped drawings.
- Costs associated with parking.
- Improvement to building grounding system.
- Cutting, patching, and painting of finished surfaces.
- Concrete and asphalt cutting or patching.
- Coring and drilling of walls, floors, footers or headers.
- Modifications to correct existing code/building violations or upgrade of systems to comply with State or City codes.
- Underground trenching or boring.
- Technicians must have free and clear access to all areas where their work is being performed.
- All vertical or horizontal conduit sleeves between floors, entrance into the MPOE, MDF and IDF's, and interconnecting buildings.
- Certification of cable runs longer than 90 meters (permanent link), unless UTG or extended distance cables are installed.

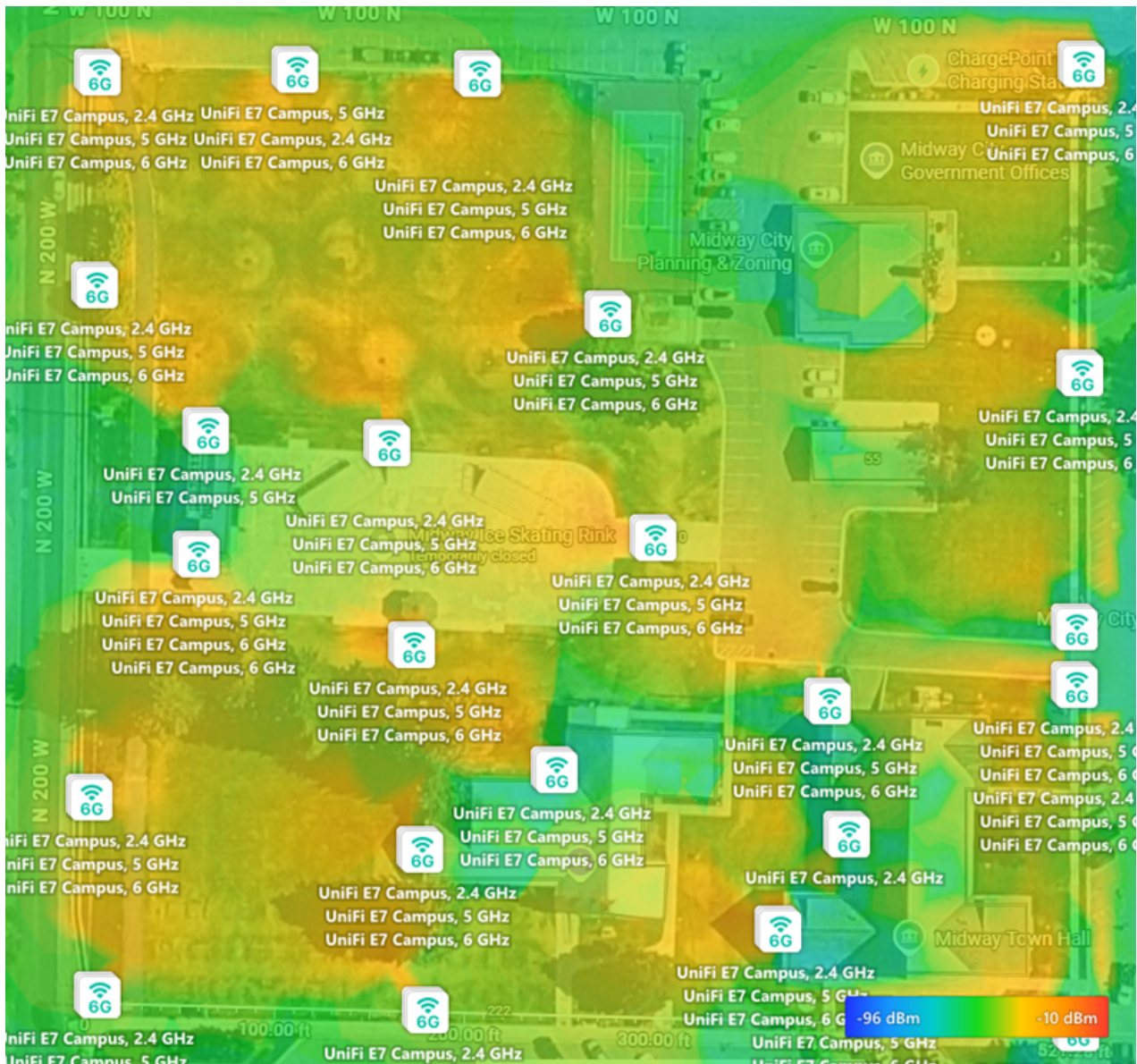
Fiber & Cat6A Structured Cabling Statement of Work

Outdoor Fiber+ Cat6A Wiring Diagram



Fiber & Cat6A Structured Cabling Statement of Work

Outdoor WiFi Predictive Heat Map



Fiber & Cat6A Structured Cabling Statement of Work

Standards

The safety of our employees has always and will always come first. Safety is built directly into our organizational structure as a fundamental core value. Our Director of Safety is accountable directly to the CEO. Supervision thoroughly instructs all employees in the safety practices applicable to their work and provides safety updates on every project.

Our safety goals are simple: no injuries and no time lost due to accidents. Our exceptional safety record directly results from the processes and procedures put in place to empower our staff to take action or even stop work when safety is a concern. From the careful screening and onboarding of employees to institutionalized and continuous training to rigorous ongoing safety programs and safety updates on every project, safety is a fundamental value integrated into our culture – it is essential to our operational excellence. Our Safety Program includes New Employee Orientation, Safety Expectations, Communications and Reporting, Incident Reports, Energized Electrical Training, and much more. Additionally, each employee must complete a site orientation before beginning work on any job site, which includes knowing the location of the safety program, specific hazards present on each site, site requirements for safety, and employees are made aware of emergency action plans.

Environment and Sustainability

Management is committed to protecting human health and natural resources, promoting environmental stewardship, and implementing innovative environmental technologies and practices. Our Sustainability Program is well communicated to all employees and enforced wherever and whenever we do business. Our goal is to perform all work responsibly and purposefully, seize opportunities to minimize our environmental impact, and collaborate with vendors and customers to establish procedures structured with a conservative approach. This same culture is adopted by our customers, who are witnessing significant strides in sustainability and stepping closer to their net-zero carbon goals. We are helping the stakeholders transform these structures into energy-efficient and sustainable buildings of the future.

Quality

Every project needs the right team to get the job done. All operations occur with fluent interaction between colleagues, sharing all knowledge gained, written and verbal, with each process, policy, and procedure documented and agreed upon before implementation. This creates a seamless and effective transition from the initial stages of design, installation, and maintenance of a project to reduce risk and facilitate an effective progression plan through consistent communication, milestones, measurable goals, and regular progress meetings.

In addition to clear communication during every stage of the project lifecycle, having the right tools and approaches is vital. Utilizing a proprietary estimating, project and service management, and costing platform, a complete and detailed system to monitor and manage quality and consistency throughout the entire lifespan of your project. With customer satisfaction as a top priority, this system is flexible and easily customizable to ensure your unique needs are met.

Utilizing customizable apps for both Safety and QA management. These interactive tools provide metrics on service performance, enhance operational capabilities to streamline project execution processes, mitigate infrastructure requirement gaps, and prioritize customer satisfaction through survey and reporting features. Implementing these

Fiber & Cat6A Structured Cabling Statement of Work

collaborative customer-focused workspaces enhances our operational and service capabilities.

Recruiting

The recruitment team works quickly to seek out, hire, and onboard the most talented employees from a diverse candidate pool. Every new hire must pass a background check and drug screen. Additional screening is completed as required by the customer.

As an ally to all candidates, our recruiters focus on providing competitive wages and benefits to poise all employees for a long-lasting and rewarding career.





Diversity and Inclusivity

i.t.NOW and IES are Equal Opportunity Employers dedicated to offering all qualified candidates and employees the same hiring, training, compensation, transfer, promotion, and other aspects of employment opportunities regardless of race, color, sex, gender identity, sexual orientation, religion, marital status, age, national origin, disability, protected veteran status, or any other status legally protected by federal, state, or local laws.

True diversity and inclusion in the workplace are achieved through commitment, accountability, and follow-through from the leadership of an organization. IES employees lead with fairness, transparency, and an open mind.

Our employees' talent, diversity, and commitment are essential to our vision, culture, and success. By creating an inclusive work environment, our employees bring their whole, authentic selves to work, resulting in a more productive and unified team. The more we collaborate and value difference, the closer we get to living in a genuinely inclusive community.

Fiber & Cat6A Structured Cabling Time & Materials

Description		Price	Qty	Ext. Price
Material	 	\$53,525.14	1	\$53,525.14
Material				
Project Labor		\$36,000.00	1	\$36,000.00
Project Labor				
Project Management		\$6,750.00	1	\$6,750.00
Project Management				
(Misc. Materials)		\$4,360.00	1	\$4,360.00
Misc. Materials Other (May include shipping, permits, parking, travel, lift rentals, etc.)				

Fiber & Cat6A Structured Cabling Time & Materials

Description	Price	Qty	Ext. Price
"Due to market hardware pricing volatility, we cannot guarantee the accuracy of the quoted price. Quote pricing may change at any time."			

Subtotal: **\$100,635.14**

Midway City- Fiber & Cat6A Structured Cabling



Prepared by:

i.t.NOW

Jared Hunt
801-562-8778
Fax 801-460-0086
jhunt@itnow.net

Prepared for:

Midway City Corporation

75 North 100 West
PO Box 277
Midway, UT 84049
Craig Simons
14356543223
csimons@midwaycityut.gov

Quote Information:

Quote #: 031118

Version: 1
Delivery Date: 05/18/2026
Expiration Date: 08/16/2026

Quote Summary

Description	Amount
Fiber & Cat6A Structured Cabling Time & Materials	\$100,635.14
Total:	\$100,635.14

Terms: 100% down payment on all hardware required prior to order. Please do not pay from the quote, we will invoice you. Remaining balance, including all installation costs, due upon completion of install. As a Registered Partner with Dell, i.t.NOW provides Dell computers to our clients at a discounted price. All warranties are provided by Dell and not i.t.NOW. All Dell products are custom ordered for each client and may be subject to a restocking fee of up to 50%. Please verify all configurations before placing any order. i.t.NOW is not responsible for any shipping delays or delays due to replacement of parts damaged in shipping.

i.t.NOW

Signature: _____
Name: Jared Hunt
Title: Sr. Account Manager
Date: 05/18/2026

Midway City Corporation

Signature: _____
Name: Craig Simons
Date: _____



We have prepared a quote for you

Midway - Town Hall Building WiFi + Networking

Quote # 031122
Version 1

Prepared for:

Midway City Corporation

Brad Wilson
bwilson@midwaycityut.gov

Project Hardware


Description	Price	Qty	Ext. Price
"Due to market hardware pricing volatility, we cannot guarantee the accuracy of the quoted price. Quote pricing may change at any time."			
Ubiquiti Pro XG Ethernet Switch - 48 Ports - Manageable Ubiquiti Pro XG Ethernet Switch - 48 Ports - Manageable	\$2,626.33	1	\$2,626.33
Smart Power PDU Pro Ubiquiti Smart Power PDU Pro	\$293.19	1	\$293.19
RPS UniFi Redundant Power System RPS UniFi Redundant Power System	\$422.00	1	\$422.00
APC 500va Li-ION Battery Backup APC 500va Li-ION	\$504.90	1	\$504.90
WiFi - U7-Pro Wireless Access Point WiFi - U7-Pro Wireless Access Point 6 spatial streams 1,500 ft ² coverage 300+ connected devices Data Rates: 802.11ac - 6.5 Mbps to 1.7 Gbps 802.11ax - (WiFi 6/6E) 7.3 Mbps to 2.4 Gbps 802.11be - (WiFi 7) 7.3 Mbps to 5.7 Gbps Max Power Consumption: 21W Powered by Gigabit 802.3af PoE+ (adapter sold separately)	\$215.74	10	\$2,157.40

Project Hardware

Description	Price	Qty	Ext. Price
WiFi - U7-Pro MAX Wireless Access Point WiFi - U7-Pro MAX Wireless Access Point 8 spatial streams Real-time dedicated spectral analysis engine for enhanced channel selection for interference-free WiFi in demanding environments. 1,750 ft ² coverage 500+ connected devices Data Rates: 802.11ac - 6.5 Mbps to 1.7 Gbps 802.11ax - (WiFi 6/6E) 7.3 Mbps to 4.8 Gbps 802.11be - (WiFi 7) 7.3 Mbps to 8.6 Gbps Max Power Consumption: 25W Powered by Gigabit 802.3af PoE+ (adapter sold separately)	\$277.09	2	\$554.18
25' CAT6 Network Cable	\$13.85	12	\$166.20
Cable UniFi SmartPower Cable 1.5m	\$30.53	1	\$30.53
UACC-CABLE-PATCH-EL-0.3M-W	\$12.79	48	\$613.92

Subtotal: \$7,368.65

Estimated Project Labor @ \$195/hr.

Description	Price	Qty	Ext. Price
Estimated Project Labor Hours  Estimated project labor hours. Actual hours will be billed. See "Statement of Work" for project details	\$195.00	24	\$4,680.00

Subtotal: \$4,680.00

Statement of Work

Midway City Town Hall Wireless + Networking Refresh Project Scoped by Christopher Thatcher, Sr. Project Engineer III

Project dates are TBD

Executive Summary

This project will upgrade the Town Hall network infrastructure to support internal wireless connectivity, high-capacity wireless access for the building's large event/stage room, and nearby outdoor wireless coverage for the Swiss Days event environment. Although Town Hall is a smaller location than the Main Office, it requires a capable local switching and wireless design to support city operations, public meetings, events, and Swiss Days-related activity.

The Town Hall design includes a UniFi Pro XG 24 PoE switch, which provides high-speed PoE switching for the building's wireless access points, nearby outdoor E7 Campus access points, and future network growth. This allows Town Hall to function as a local distribution point for both internal building wireless and nearby outdoor event wireless coverage where cable distance permits.

Scope Summary

The Town Hall quote includes the network equipment and labor required to support local switching, wireless, power protection, and UniFi integration for this location. The physical rack enclosure and structured cabling will be provided by the wiring vendor and are not included in this quote.

The wireless design includes ten UniFi U7-Pro access points for smaller rooms, offices, and general-use areas, along with two UniFi U7-Pro-Max access points for the large open room with the stage. The U7-Pro-Max access points were selected for the large room due to its size, high ceiling, open layout, and expected occupancy of up to approximately 300 people during events. The switching platform is intentionally sized beyond the needs of a basic access switch. The USW-Pro-XG-24-PoE provides a stronger local switching foundation, PoE capacity, high-speed port capability, and support for future city and event network requirements. It will also support nearby outdoor E7 Campus access points installed on or near the exterior of Town Hall as part of the Swiss Days outdoor event wireless solution, where cable distance permits.

Included Materials and Services

The Town Hall scope includes:

- USW-Pro-XG-24-PoE high-speed PoE switch
- USP-RPS redundant power system
- USP-RPS cable
- APC 500VA lithium-ion UPS
- Ten UniFi U7-Pro access points
- Two UniFi U7-Pro-Max access points

Statement of Work

- Twelve 25 ft Cat6 patch cables
- 24 hours of professional services labor

Design Intent

The proposed Town Hall network is designed to provide:

- Local high-speed PoE switching for Town Hall
- Internal Wi-Fi upgrade using U7-Pro access points
- Higher-capacity wireless coverage for the large event/stage room using U7-Pro-Max access points
- 10G-capable PoE connectivity for nearby outdoor E7 Campus AP deployments supporting Swiss Days outdoor wireless coverage
- Support for public meetings, events, city operations, and Swiss Days-related usage
- Redundant switch power support through USP-RPS
- Short-duration UPS-backed power protection
- Clean rack-mounted integration into the wiring vendor-provided rack
- Scalable infrastructure that can support future city network needs

Rack and Cabling Responsibility

The physical rack enclosure, rack installation, structured cabling, and permanent cabling pathways will be handled by the wiring vendor. The rack should be sized and selected to properly house the USW-Pro-XG-24-PoE, USP-RPS, APC UPS, patching, and cable management.

Recommended rack characteristics for the wiring vendor:

- 12U capacity or larger
- Minimum 24" usable depth
- Four-post or UPS-depth wall-mount design
- Locking front door
- Ventilation
- Swing-out or removable side access if possible
- Space for patching, cable management, and service access

A shallow wall cabinet should be avoided because the USW-Pro-XG-24-PoE requires additional depth for rack mounting, cabling, airflow, and service access.

Implementation Overview

Implementation will include staging and configuration of the Town Hall UniFi switch, USP-RPS setup, APC UPS placement, UniFi adoption, VLAN and uplink configuration as required, deployment of the U7-Pro and U7-Pro-Max access points, patching, labeling, and validation of connectivity.

The U7-Pro access points will support smaller coverage areas, while the U7-Pro-Max access points will support the large event/stage room where higher client density is expected. The switch will also provide local connectivity for nearby outdoor E7 Campus access points where cabling distance permits. Final validation will include wireless connectivity testing, AP

Statement of Work

adoption, switch uplink verification, and confirmation that the rack-mounted equipment is operating correctly.

Business Justification

This design provides a compact but capable network upgrade for Town Hall. The switch selection provides a stronger foundation than a basic access switch, allowing Town Hall to support upgraded wireless coverage, higher-density public event use, nearby outdoor E7 Campus connectivity, and future network growth.

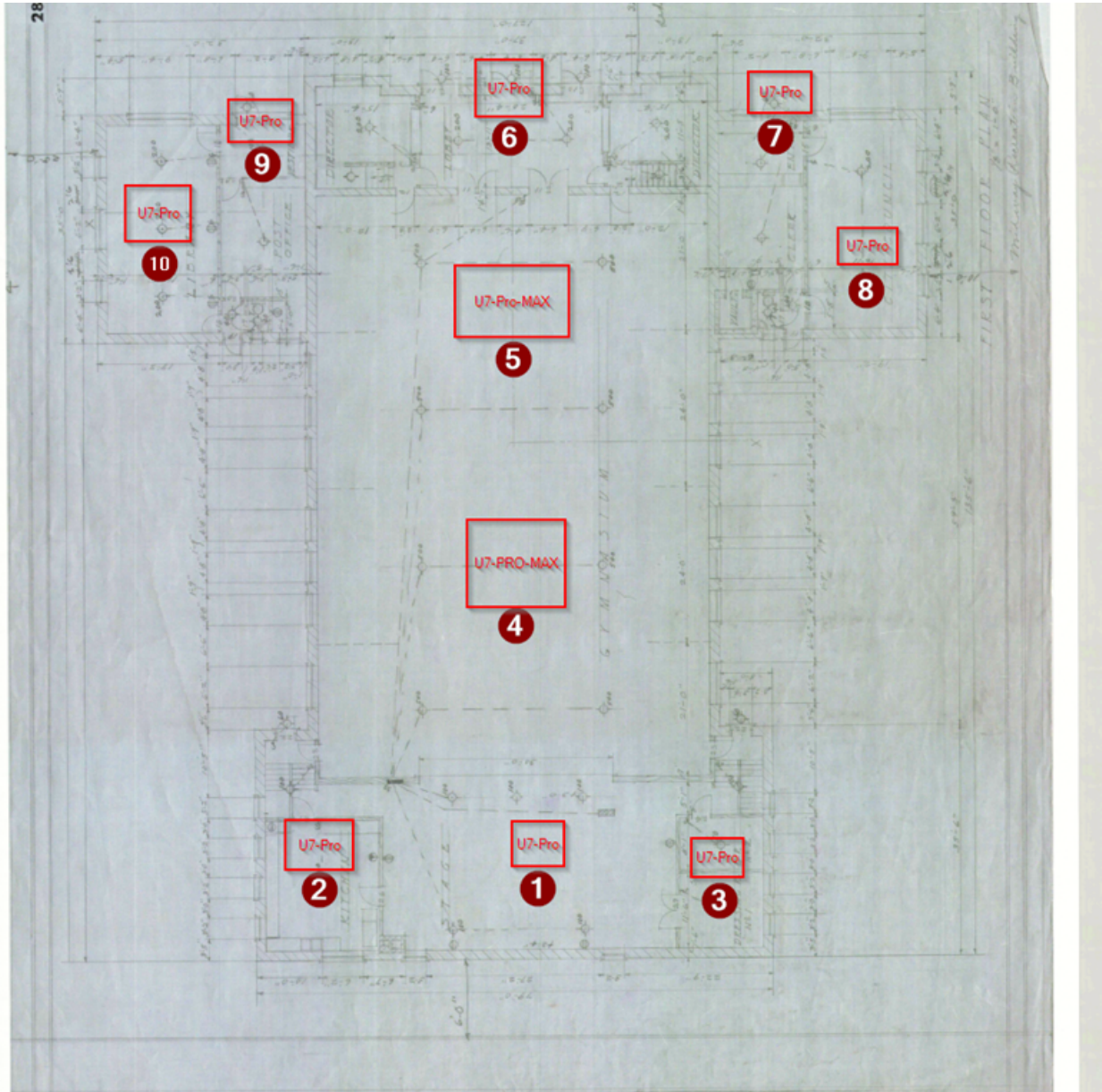
The combination of UniFi Pro XG switching, U7-Pro and U7-Pro-Max wireless access points, UPS-backed power, and USP-RPS redundant switch power provides a resilient and scalable network foundation for Town Hall without requiring the larger infrastructure footprint of the Main Office.

Recommended Outcome

Proceed with the Town Hall network upgrade using the USW-Pro-XG-24-PoE, USP-RPS, APC lithium-ion UPS, three U7-Pro access points, and two U7-Pro-Max access points, with the physical rack and structured cabling provided by the wiring vendor. This design is appropriate for Town Hall's role as a smaller site while still supporting a large open event room with higher wireless density requirements and nearby outdoor E7 Campus access points for the Swiss Days outdoor event wireless solution.

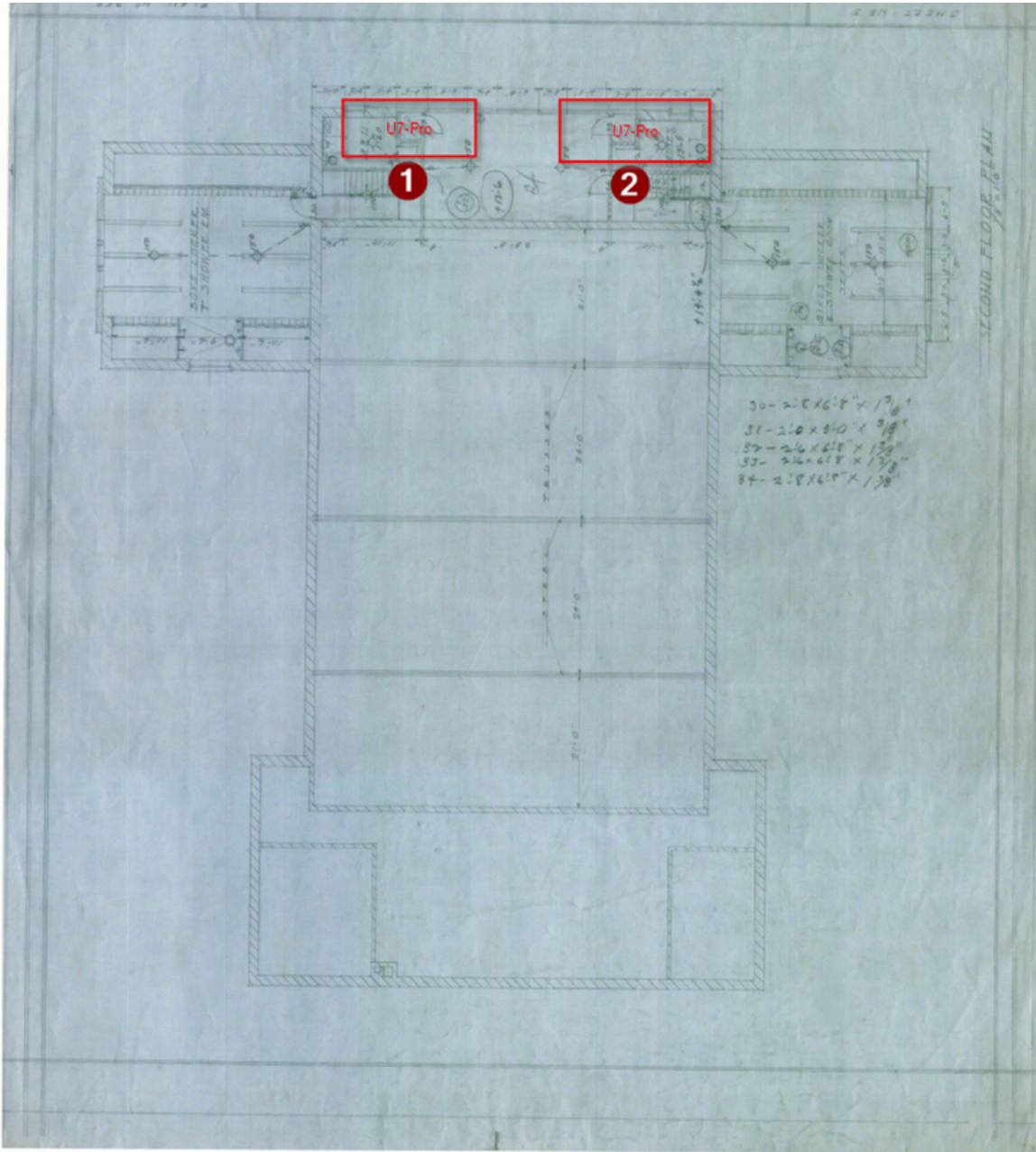
1st Floor

Statement of Work



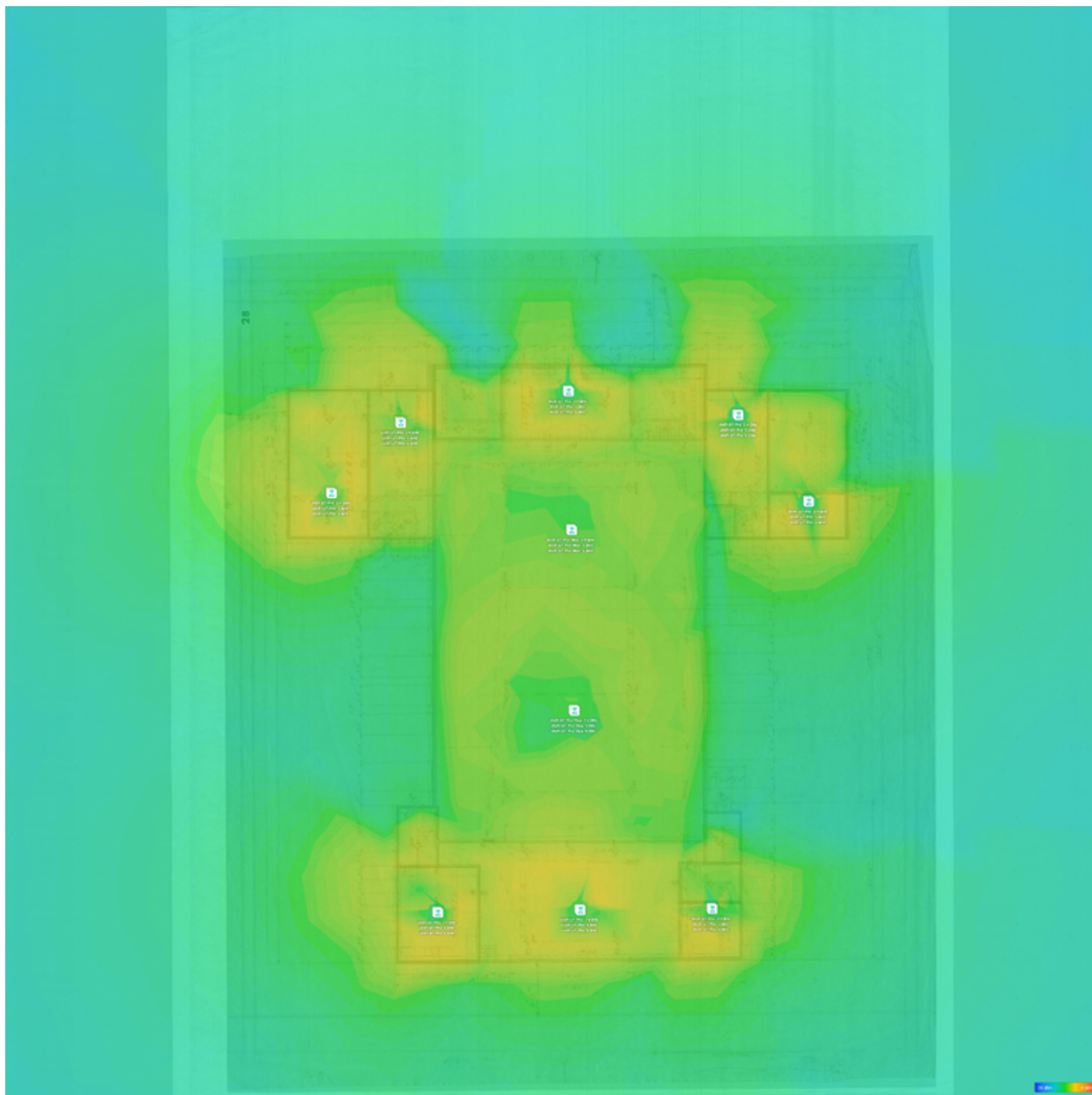
2nd Floor

▶ Statement of Work



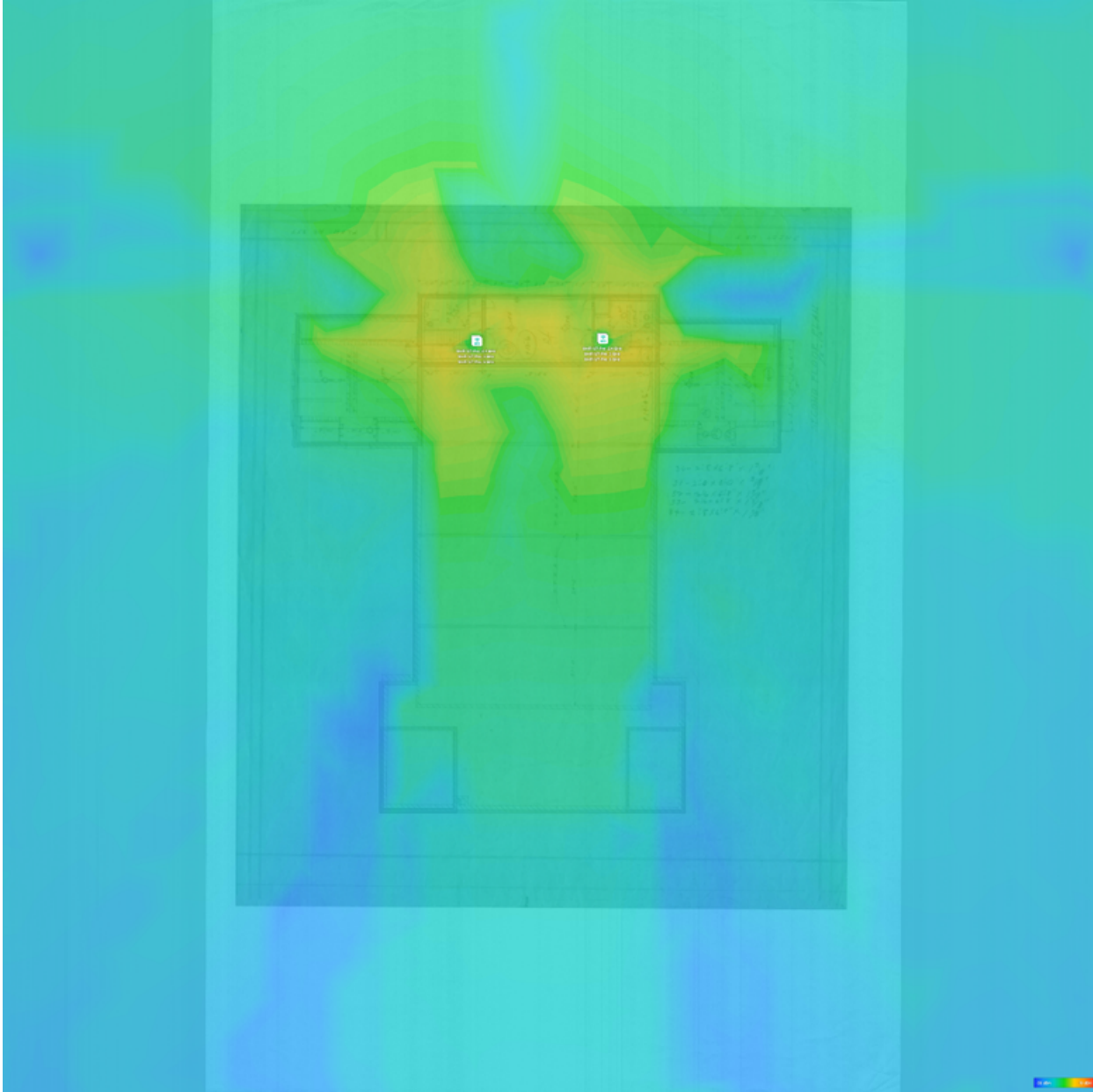
1st Floor Predictive Heat Map

▶ Statement of Work



2nd Floor Predictive Heat Map

▶ Statement of Work



Phase 1 – Configuration

This phase is the configuration and deployment of the project based on the statement of work as set forth in the project pre-planning phase. All hardware/software is configured and documented appropriately and then delivered to the client as appropriate. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Gather all required hardware/software
2. Conduct meeting with client to discuss project

Statement of Work

- a. Emphasize major milestones
 - b. Go over any planned downtimes
 - c. Set preliminary schedules for expected service interruptions
-
- a. Document meeting in project ticket
 1. Adopt, configure and document
 2. Verify wiring, electrical is in place and ready for installation
 3. Prepare equipment for installation

Phase 2 – Execution

This phase is the on-site delivery of the hardware/software based on the statement of work as set forth in the project pre-planning phase. All on-site requirements are communicated and coordinated with the client and updated on the project plan. Data is migrated and backed up as required by the project and includes all documentation and project closure communication to the client. Any problems or service related issues are to be opened and documented as project tickets and to be worked by the project engineer or appropriate delegation to the project team. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Document all changes as they are being made
2. Install APC power backup
3. Install redundant power supply for Unifi equipment
4. Install switch
5. Install Access Points
6. Take pictures and document

Phase 3 – Completion

This phase is the completion and wrap-up steps of the project and ensure all expectations of the client have been met through a project wrap-up meeting. All old hardware/software is decommissioned and disposed of properly on behalf of the client. Modification of the billing agreement takes place to ensure proper invoicing and a project satisfaction survey is sent out to the customer for feedback. Project is review for timeline adherence and profitability with the team.

1. Follow-up with client
 - a. Conduct meeting with client to go over project
 - b. Discuss what work has been done
 - c. Make sure the client does not have any outstanding issues that need to be addressed
 - d. Document meeting in project ticket
2. Server room cleanup
 - a. Remove unused equipment
 - b. Install cable management if necessary
 - c. Make sure all cables are tied down neatly
 - d. Label all equipment as necessary to assist with support
3. Documentation
 - a. Conduct audit of documentation system to ensure that all project changes are reflected

Statement of Work

- b. Take pictures of server room if any physical changes have been done
- c. Upload pictures to documentation system

Total Estimated Time: 24 hrs

Midway - Town Hall Building WiFi + Networking



Prepared by:

i.t.NOW

Jared Hunt
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jhunt@itnow.net

Prepared for:

Midway City Corporation

75 North 100 West
PO Box 277
Midway, UT 84049
Brad Wilson
(435) 654-3223
bwilson@midwaycityut.gov

Quote Information:

Quote #: 031122

Version: 1
Delivery Date: 05/18/2026
Expiration Date: 08/16/2026

Quote Summary

Description	Amount
Project Hardware	\$7,368.65
Estimated Project Labor @ \$195/hr.	\$4,680.00

Total: \$12,048.65

Terms: 100% down payment on all hardware required prior to order. Please do not pay from the quote, we will invoice you. Remaining balance, including all installation costs, due upon completion of install. As a Registered Partner with Dell, i.t.NOW provides Dell computers to our clients at a discounted price. All warranties are provided by Dell and not i.t.NOW. All Dell products are custom ordered for each client and may be subject to a restocking fee of up to 50%. Please verify all configurations before placing any order. i.t.NOW is not responsible for any shipping delays or delays due to replacement of parts damaged in shipping.

i.t.NOW

Signature: _____
Name: Jared Hunt
Title: Sr. Account Manager
Date: 05/18/2026

Midway City Corporation

Signature: _____
Name: Brad Wilson
Date: _____



We have prepared a quote for you

**Midway - Swiss Days Town Hall Square Outdoor
Wireless WiFi + Networking**

Quote # 031123
Version 1

Prepared for:

Midway City Corporation

Brad Wilson
bwilson@midwaycityut.gov

Project Hardware

Description	Price	Qty	Ext. Price
"Due to market hardware pricing volatility, we cannot guarantee the accuracy of the quoted price. Quote pricing may change at any time."			
Ubiquiti Pro XG Ethernet Switch - 24 Ports - Manageable 10/100/1000GbE 24-port Layer 3 Ether-lighting PoE+++ switch with (16) 10 GbE, (8) 2.5 GbE, and (2) 25G SFP28 ports	\$1,892.90	1	\$1,892.90
Ubiquiti Pro XG Ethernet Switch - 8 Ports - Manageable Ubiquiti Pro XG Ethernet Switch - 8 Ports - Manageable Etherlighting ^a ports that illuminate to indicate port location, speed/link, and native VLAN/network* (8) 10 GbE PoE++ ports (2) 10G SFP+ ports 155W total PoE availability	\$536.45	3	\$1,609.35
Enterprise WiFi 7 Campus Access Point Enterprise WiFi 7 Campus Access Point	\$975.60	22	\$21,463.20
Ethernet Surge Protection Outdoor Ethernet Surge Protection Outdoor	\$20.62	22	\$453.64
Smart Power PDU Pro Ubiquiti Smart Power PDU Pro	\$293.19	1	\$293.19
RPS UniFi Redundant Power System RPS UniFi Redundant Power System	\$422.00	1	\$422.00
UniFi Ether-lighting Patch Cable 0.3m White UniFi Ether-lighting Patch Cable 0.3m White	\$4.72	24	\$113.28
Cable UniFi SmartPower Cable 1.5m Cable UniFi SmartPower Cable 1.5m	\$30.53	1	\$30.53

Project Hardware

Description	Price	Qty	Ext. Price
Vented Fiberglass Weatherproof NEMA Enclosure Vented Fiberglass Weatherproof NEMA Enclosure with Cooling Fan, 200W Heater	\$1,096.14	3	\$3,288.42
6-Outlet Commercial Power Strip Surge Protector 6-Outlet Commercial Power Strip Surge Protector	\$24.35	4	\$97.40
14 AWG THHN Wire 100FT – Single Bare Copper Conductor 14 AWG THHN Wire 100FT – Single Bare Copper Conductor	\$42.29	3	\$126.87
APC 500va Li-ION APC 500va Li-ION	\$504.90	1	\$504.90
Universal pole mount with 12" stainless steel hose clamp band (4-pack) Universal pole mount with 12" stainless steel hose clamp band (4-pack)	\$51.27	6	\$307.62
Stainless Steel Mounting Kit for the Outdoor Enclosures Stainless Steel Mounting Kit for the Outdoor Enclosures	\$192.29	3	\$576.87

Subtotal: \$31,180.17

Estimated Project Labor @ \$195/hr.

Description	Price	Qty	Ext. Price
Estimated Project Labor Hours Estimated project labor hours. Actual hours will be billed. See "Statement of Work" for project details	\$195.00	120	\$23,400.00

Subtotal: \$23,400.00

Statement of Work

Swiss Days Park Outdoor Wireless Project

Scoped by Christopher Thatcher, Sr. Project Engineer

Project dates are TBD

Executive Summary

This project will deploy an outdoor wireless system to support the Swiss Days event area with high-density Wi-Fi coverage across the outdoor festival footprint. The design uses directional UniFi E7 Campus access points positioned around the event area and aimed inward toward vendor, pedestrian, gathering, and public-use zones.

The Outdoor Wireless design is intended to provide event-focused Wi-Fi coverage using a distributed AP model rather than relying on a small number of high-powered access points. This approach improves client reliability, supports better coverage control, and reduces the risk of poor mobile device return-path performance, which is critical in an outdoor event environment.

Scope Summary

The Outdoor Wireless quote includes 22 UniFi E7 Campus access points for outdoor event coverage. The E7 Campus AP was selected because it provides high-density Wi-Fi 7 performance, directional coverage, 2.4 GHz support for range and compatibility, and 10G PoE connectivity for high-capacity deployments.

The design also includes three outdoor NEMA enclosure locations, each housing a UniFi USW-Pro-XG-8-PoE switch to provide local 10G PoE connectivity for nearby E7 Campus APs. These enclosure-based switch locations allow AP cabling to remain within practical Ethernet distance limits while distributing the outdoor wireless load across multiple network access points. Ethernet surge protection is included for the outdoor AP runs, along with grounding wire to support proper bonding of surge protection hardware. The design includes 300 ft of 14 AWG solid copper green grounding wire for grounding and bonding support, with final grounding installation and verification to be performed in coordination with the wiring vendor or electrician.

Included Materials and Services

The Outdoor Wireless scope includes:

- 22 UniFi E7 Campus access points
- 1 UniFi USW-Pro-XG-24-PoE switch
- 3 UniFi USW-Pro-XG-8-PoE switches
- 3 outdoor NEMA enclosures
- 22 UACC-ETH-SP-Pro Ethernet surge protectors
- 4 UniFi 10G multimode fiber optic modules
- 4 power strips
- 300 ft of 14 AWG solid copper green grounding wire

Statement of Work

- 120 hours of professional services labor

Design Intent

The proposed Outdoor Wireless system is designed to provide:

- High-density outdoor Wi-Fi coverage for Swiss Days
- Directional AP coverage aimed toward event activity areas
- 2.4 GHz support for distance and device compatibility
- 5 GHz and 6 GHz capacity for modern client devices
- Distributed 10G PoE switching through outdoor enclosure locations
- Support for AP placements within practical Ethernet distance limits
- Surge protection for outdoor Ethernet-connected access points
- Grounding and bonding support for outdoor surge protection
- Scalable outdoor wireless infrastructure that can be reused for future events

AP Placement and Coverage Approach

The E7 Campus APs will be mounted outside and aimed toward the intended coverage areas. The APs should not be installed inside NEMA enclosures, as doing so would reduce RF performance, distort the directional antenna pattern, create heat concerns, and limit proper coverage control.

The E7 Campus APs use directional antenna patterns, so placement and aiming are important. The design relies on multiple directional coverage sectors instead of full 360-degree coverage from each AP. This helps focus RF energy toward the event footprint and reduces unnecessary signal spill where possible.

The wireless design accounts for the fact that mobile phones and client devices are usually the limiting factor in outdoor Wi-Fi performance. AP transmit range alone is not sufficient; the system must be designed so client devices can reliably transmit back to the APs.

Outdoor Enclosure and Cabling Responsibility

The outdoor NEMA enclosures are intended to house the supporting switch and power equipment, not the E7 Campus APs themselves. Enclosures should be installed in locations that allow proper cable distance, ventilation, weather protection, service access, and grounding. The wiring vendor is expected to provide structured cabling, enclosure mounting, power, grounding, and permanent pathways where applicable. If the wiring vendor does not provide install-ready enclosures and cable paths, additional labor or a change order may be required. Outdoor ethernet copper cabling should remain within the standard Ethernet distance limitation of 100 meters / 328 ft, with 300 ft used as the practical planning target. Outdoor copper runs should include proper surge protection, grounding, weather-rated cabling or pathways, drip loops, strain relief, and labeling.

Implementation Overview

Implementation will include staging and configuration of the UniFi outdoor switches, adoption and configuration of the E7 Campus APs, VLAN and uplink validation, enclosure equipment

Statement of Work

setup, AP aiming, RF tuning, coverage testing, and documentation.

Professional services labor includes time for staging, configuration, switch/enclosure equipment setup, AP adoption and aiming, VLAN/uplink validation, RF tuning, field testing, troubleshooting, documentation, and project contingency.

Business Justification

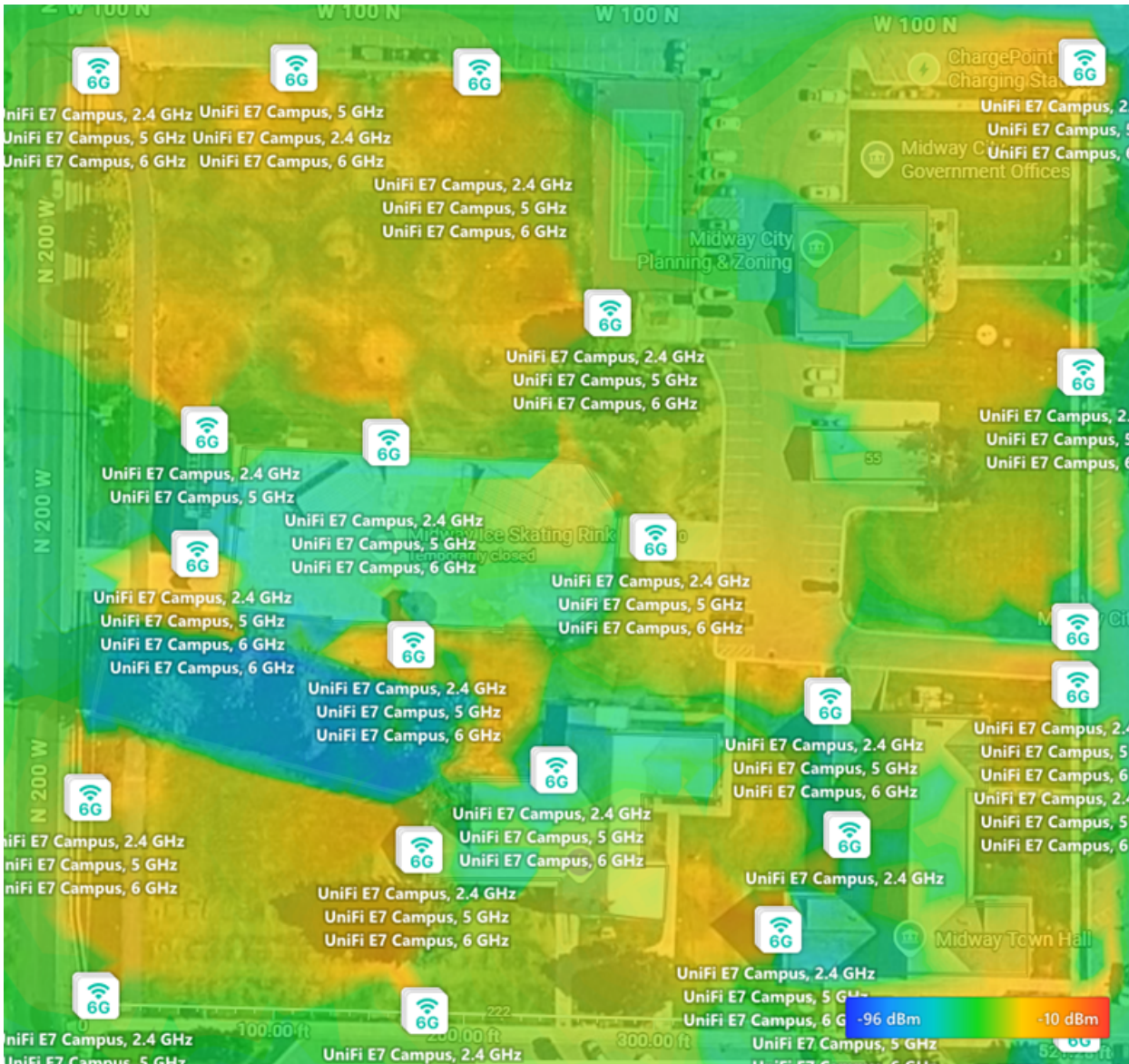
This Outdoor Wireless design provides a high-capacity event wireless solution specifically suited for the Swiss Days outdoor environment. The use of E7 Campus APs allows coverage to be aimed toward the event areas while providing the range, compatibility, and Wi-Fi 7 performance needed for a modern outdoor deployment.

The use of distributed outdoor switch enclosures reduces long copper runs, supports 10G PoE connectivity to APs, and creates a scalable architecture that can be reused or expanded for future events. Surge protection and grounding support are included to improve reliability and reduce risk for outdoor-connected network equipment.

Recommended Outcome

Proceed with the Outdoor Wireless deployment using 22 E7 Campus access points, four outdoor NEMA enclosure/switch locations, three USW-Pro-XG-8-PoE switches, one USW-ProXG-24-PoE switch, Ethernet surge protection, grounding support, and 120 hours of professional services labor. This design provides a scalable and event-ready outdoor Wi-Fi system for Swiss Days while maintaining flexibility for future municipal event use.

Statement of Work



Phase 1 - Configuration

This phase is the configuration and deployment of the project based on the statement of work as set forth in the project pre-planning phase. All hardware/software is configured and documented appropriately and then delivered to the client as appropriate. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Gather all required hardware/software
2. Conduct meeting with client to discuss project
 - a. Emphasize major milestones
 - b. Go over any planned downtimes

Statement of Work

- c. Set preliminary schedules for expected service interruptions
- a. Document meeting in project ticket
 1. Configure, adopt and document
 2. Verify wiring, electrical is in place and ready for installation
 3. Prepare equipment for installation

Phase 2 - Execution

This phase is the on-site delivery of the hardware/software based on the statement of work as set forth in the project pre-planning phase. All on-site requirements are communicated and coordinated with the client and updated on the project plan. Data is migrated and backed up as required by the project and includes all documentation and project closure communication to the client. Any problems or service related issues are to be opened and documented as project tickets and to be worked by the project engineer or appropriate delegation to the project team. Any identified issues are communicated to the client and progress billing is discussed with the client to keep them apprised of project hours and costs. If items outside of the scope are identified a change order request is required to complete the work that may include changes to the project billing and costs. As hours are approaching quoted billed hours, discussions will be had with the client to inform them of additional hours required to keep customers apprised of expected billing.

1. Document all changes as they are being made
2. Install switches
3. Install Surge Protectors
4. Verify switch connectivity
5. Install AP's
6. Perform Heat Map
7. Adjust system accordingly for max coverage and reliability
8. Work with client to go over options for wireless security/guest access
9. Implement access solutions
10. Test
11. Document

Phase 3 - Completion

This phase is the completion and wrap-up steps of the project and ensure all expectations of the client have been met through a project wrap-up meeting. All old hardware/software is decommissioned and disposed of properly on behalf of the client. Modification of the billing agreement takes place to ensure proper invoicing and a project satisfaction survey is sent out to the customer for feedback. Project is review for timeline adherence and profitability with the team.

1. Follow-up with client
 - a. Conduct meeting with client to go over project
 - b. Discuss what work has been done
 - c. Make sure the client does not have any outstanding issues that need to be addressed
 - d. Document meeting in project ticket
2. Server room cleanup
 - a. Remove unused equipment
 - b. Install cable management if necessary
 - c. Make sure all cables are tied down neatly

Statement of Work

- d. Label all equipment as necessary to assist with support
- 3. Documentation
 - a. Conduct audit of documentation system to ensure that all project changes are reflected
 - b. Take pictures of server room if any physical changes have been done
 - c. Upload pictures to documentation system

Total Estimated Time: 120 hrs

Midway - Swiss Days Town Hall Square Outdoor Wireless WiFi + Networking



Prepared by:

i.t.NOW

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801-562-8778
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Prepared for:

Midway City Corporation

75 North 100 West
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Brad Wilson
(435) 654-3223
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Quote Information:

Quote #: 031123

Version: 1
Delivery Date: 05/18/2026
Expiration Date: 08/16/2026

Quote Summary

Description	Amount
Project Hardware	\$31,180.17
Estimated Project Labor @ \$195/hr.	\$23,400.00
Total:	\$54,580.17

Terms: 100% down payment on all hardware required prior to order. Please do not pay from the quote, we will invoice you. Remaining balance, including all installation costs, due upon completion of install. As a Registered Partner with Dell, i.t.NOW provides Dell computers to our clients at a discounted price. All warranties are provided by Dell and not i.t.NOW. All Dell products are custom ordered for each client and may be subject to a restocking fee of up to 50%. Please verify all configurations before placing any order. i.t.NOW is not responsible for any shipping delays or delays due to replacement of parts damaged in shipping.

i.t.NOW

Signature: _____
Name: Jared Hunt
Title: Sr. Account Manager
Date: 05/18/2026

Midway City Corporation

Signature: _____
Name: Brad Wilson
Date: _____