

CONTRACT FOR SERVICES

This Contract for Services ("Contract"), is made this 6th day of October, 2025, by and between the CITY OF SANIBEL, a Florida municipal corporation ("OWNER"), and TECTONIC ENGINEERING CONSULTANTS, GEOLIGISTS & LAND SURVEYORS D.P.C INC., a Florida profit corporation ("CONSULTANT").

In consideration of the covenants set forth below and other good and valuable consideration, the sufficiency and receipt of which is acknowledged, OWNER and CONSULTANT (collectively the "PARTIES") hereby agree as follows:

1. The term "CONTRACT DOCUMENTS" means and includes the following, all of which are incorporated herein and made part of the CONTRACT:
 - A. All bid-related specifications detailed in "Broadband Feasibility Study Consultant Services RFP-25-IT001" dated March 24, 2025 ("the RFP"), including, without limitation, the following sections: C. Scope of Services & Requested Deliverables; E. Special Considerations; I. General Conditions; K. [conditions applicable to service contracts]; and L. [conditions applicable to federally funded projects]
 - B. All other bid-related documents, including the Advertisement, Information to Bidders, and Addenda
 - C. CONSULTANT'S Proposal in response to the RFP
 - D. This CONTRACT
 - E. Notice of Award, if any
 - F. Notice to Proceed, if any
 - G. Change Orders, if any
 - H. Exhibits A, B,C and D
2. CONSULTANT will commence and complete the work ("Work") described and required by the CONTRACT DOCUMENTS, in accordance with the CONTRACT DOCUMENTS.
3. CONSULTANT will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the completion of the WORK.
4. CONSULTANT will commence the WORK within 30 calendar days after date of the Notice to Proceed and will diligently proceed with performance of the Work until completion.
5. CONSULTANT agrees to perform all of the WORK in accordance with the CONTRACT DOCUMENTS for the sum NOT TO EXCEED **\$182,790.00** said amount being the total "project price" as submitted within CONSULTANT'S Proposal in response to the RFP.
6. OWNER will pay CONSULTANT for the Work in the time, manner, and conditions set forth in the General Conditions of the RFP.
7. The CONTRACT DOCUMENTS embody the entire agreement of CONSULTANT and OWNER regarding the Work. No deviation from the CONTRACT DOCUMENTS will be allowed, honored or compensated unless accompanied by a fully executed change order.

8. This CONTRACT shall be binding upon all parties hereto and their respective administrators, successors, and assigns; however, CONSULTANT shall not assign or otherwise transfer its rights, duties or obligations under this CONTRACT without prior written consent of OWNER. In the event of conflicts or inconsistencies, the documents shall be given precedence in the following order:
 - a. Contract/Agreement
 - b. Solicitation RFP
 - c. Consultant's Submittal in Response to the Solicitation

9. CONSULTANT shall comply with the requirements of Section 119.0701, Florida Statutes, which requires a City contractor, as defined therein, to comply with public records laws, and specifically to:
 - a. Keep and maintain public records that ordinarily and necessarily would be required by the public agency in order to perform the service.
 - b. Provide the public with access to public records on the same terms and conditions that the public agency would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
 - c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
 - d. The CONSULTANT shall retain sufficient records to show the Vendor's and its sub-contractors' compliance with the terms of this solicitation package and any and all associated Agreement(s), and the compliance of all SUBCONSULTANTS paid from funds under this solicitation package, any and all associated Agreement(s) for a period of five (5) years from the date the County receives final closeout from the U.S. Department of Housing and Urban Development (HUD). The CONSULTANT shall also comply with the provisions of 24 CFR 570.502(a)(7)(ii). The CONSULTANT shall further ensure that audit working papers are available upon request for a period of six (6) years from the date the County receives final closeout from the U.S. Department of Housing and Urban Development (HUD), unless extended in writing by HUD as required by the provisions of 2 CFR 200.334 as modified by 24 CFR 570.502(a)(7)(ii). Where a conflict exists between State records retention laws and the federal requirements of this section, the longer term shall apply.
 - e. The CONSULTANT shall ensure that audit working papers are made available to HUD, or its designee, CFO, or Auditor General upon request for a period of six (6) years from the date the audit report is received by the County, unless extended in writing by HUD. In addition, if any litigation, claim, negotiation, audit, or other action involving the records has been started prior to the expiration of the controlling period as identified above, the records shall be retained until completion of the action and resolution of all issues which arise from it, or until the end of the controlling period as identified above, whichever is longer.
 - f. Meet all requirements for retaining public records and transfer, at no cost, to the public agency all public records in possession of the contractor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the public agency in a format that is compatible with the information technology systems of the public agency.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**SANIBEL CITY CLERK
800 DUNLOP ROAD
SANIBEL, FLORIDA 33957
(239) 472-3700
scotty.kelly@mysanibel.com**

10. In compliance with Section 448.095, Florida Statutes, CONSULTANT and any CONSULTANT subcontractor must be registered with and use the E-Verify system to verify work authorization status of all employees hired after January 1, 2021.
- a. CONSULTANT shall require each of its subcontractors to provide CONSULTANT with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien. CONSULTANT shall maintain a copy of the subcontractor's affidavit as part of and pursuant to the records retention requirements of this Agreement.
 - b. OWNER, CONSULTANT, or any subcontractor who has a good faith belief that a person or entity with which it is contracting has knowingly violated Section 448.09(1), Florida Statutes, or the provisions of this section shall terminate the contract with the person or entity.
 - c. OWNER, upon good faith belief that a subcontractor knowingly violated the provisions of this section, but CONSULTANT otherwise complied, shall promptly notify CONSULTANT, and CONSULTANT shall immediately terminate the contract with the subcontractor.
 - d. A contract terminated under the provisions of this section is not a breach of contract and may not be considered such. Any contract termination under the provisions of this section may be challenged pursuant to Section 448.095(2)(d), Florida Statutes. CONSULTANT acknowledges that upon termination of this Contract by the OWNER for a violation of this section, CONSULTANT may not be awarded a public contract for at least one (1) year. CONSULTANT further acknowledges that CONSULTANT is liable for any additional costs incurred by the OWNER as a result of termination of any contract for a violation of this section.
 - e. Subcontracts. CONSULTANT and any subcontractor shall insert in any subcontracts the clauses set forth in this section, including this subsection, requiring the subcontractor to include these clauses in any lower tier subcontracts. CONSULTANT shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.

IN WITNESS WHEREOF, the PARTIES have executed this Contract individually or through their duly authorized officials, counterparts of which shall be deemed an original on the date first above written.

(SEAL)

ATTEST Scotty Lynn Kelly

Name Scotty Lynn Kelly, MMC

Title City Clerk

CITY OF SANIBEL

By Dana A. Souza

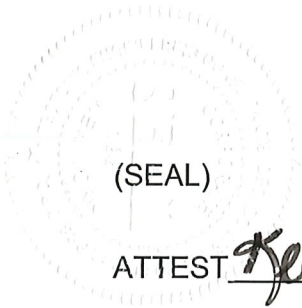
Name Dana A. Souza

Title City Manager

Approved as to form for the City of Sanibel:

City of Sanibel
800 Dunlop Road
Sanibel, Florida 33957
239-472-3700

Jody P. Aguan



(SEAL)

ATTEST Kelley Batewell

Name Kelley Batewell

Title Executive Administrator

TECTONIC ENGINEERING CONSULTANTS,
GEOLOGISTS & LAND SURVEYORS D.P.C
INC.,

By Donald A. Bervie

Name Donald A. Bervie

Title Chief Executive Officer

Tectonic Engineering Consultants, Geologists
& Land Surveyors D.P.C. Inc.
407 Lithia Pinecrest Road
Brandon, FL 33511
813-374-9177

EXHIBIT A

Scope of Professional Services Broadband Feasibility Study

Date: August 12, 2025

Basic Services

Section 1 General Scope Statement

The CONSULTANT shall perform the complete Scope of Services set forth in Section C, Scope of Services, of RFP25-IT001 (attached hereto and incorporated herein in its entirety as Exhibit D). The services shall be carried out through completion of the following tasks.

Section 2 Tasks

Pursuant to the general scope of the basic services stated herein above, the Consultant shall perform all services and/or work necessary to complete the following task(s) and/or provide the following item(s) which are enumerated to correspond to the task(s) and/or items set forth in Compensation and Method of Payment.

Phase 1: Kickoff

- 1.1 Initial Project Planning Meeting
- 1.2 Kickoff Meeting (on site) and tour
- 1.3 Data Review to analyze all documented existing fiber on the Island and the connections to the mainland.
- 1.4 Establish Project Check-In Meeting interval and proposed day and time (for length of project)
- 1.5 Monthly Progress Reports

Phase 2: Engagement

- 2.1 Initiate market research / analysis of stakeholders, business community and City Departments
- 2.2 Conduct inventory of existing ISP's and fiber provider on the island
- 2.3 Reach out to current fiber providers to discuss existing & future build out plans
- 2.4 Summarize feedback from community surveys

Phase 3: Analysis

- 3.1 Analyze Relevant Trends

- 3.2 Analyze data from market research efforts
- 3.3 Inventory of City's assets, which could be used for wireless or wireline deployment
- 3.4 Analyze current City ordinances with regards to telecommunications
- 3.5 Download current information from the FCC database for the unserved and underserved BSL's to be integrated into City/County GIS layers
- 3.6 Analyze Financial and Funding Resources available for the City

Phase 4: Network Design & Options

- 4.1 Develop Recommendations for the City of Sanibel
 - Becoming it's own ISP
 - To build a Middle Mile Network
 - Enter into a Public/Private/Partnership Agreement

Phase 5: Final Plan

- 5.1 Prepare Draft Study for review
- 5.2 Deliver a Final Presentation
- 5.3 Finalize the Study upon City approval

EXHIBIT B

Compensation and Method of Payment Broadband Feasibility Study

Date: August 12, 2025

Section 1 Basic Service Task

The City shall compensate the Consultant for providing and performing the task(s) set forth and enumerated in the Scope of Professional Services, as follows:

NOTE: A lump sum (LS) or not-to-exceed (NTE) amount of compensation to be paid the Consultant should be established and set forth below for each task or sub-task described and authorized in the Scope of Professional Services. Tasks to be paid on a work-in-progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (WIPP)
Phase 1: Discovery		\$38,630	NTE	
1.1	Initial Project Planning Meeting	\$1210		
1.2	Kickoff Meeting (on site) and tour	\$14,500		
1.3	Data Review existing fiber	\$4120		WIPP
1.4	Project Check-In Meetings (for length of project)	\$11,200		WRPP
1.5	Monthly Progress Reports	\$7,600		WIPP
Phase 2: Engagement		\$41,430	NTE	
2.1	Initiate Market Research/Analysis	\$1,750		WIPP
2.2	Conduct inventory of existing ISP's/fiber providers	\$27,180		WIPP
2.3	Reach out to current fibers providers to discuss existing & future build out plans	\$4,200		WIPP
2.4	Summarize feedback from Market Research	\$8,300		WIPP

Phase 3: Analysis		\$33,320	NTE	
	Analyze Relevant Trends	\$9,860		WIPP
	Analyze Market Research/Analysis	\$5,500		WIPP
	Inventory City assets	\$2,800		WIPP
	Analyze current City ordinances with regards to telecommunications	\$4,200		WIPP
	Download current FCC database info	\$3,300		WIPP
	Analyze Financial & Funding Resources available for the City	\$7,000		WIPP
Phase 4: Network Design & Options		\$44,190	NTE	
	Develop Recommendations for City	\$44,190		WIPP
Phase 5: Final Plan		\$25,220	NTE	
	Prepare Draft Study for Review	\$14,720		WIPP
	Deliver A Final Presentation	\$4,200		WIPP
	Finalize the study	\$6,300		WIPP
Total		\$182,790	NTE	

Total Fees = \$182,790.00

Compensation and Method of
Payment Broadband
Feasibility Study
Consultant's Personnel Hourly Rate Schedule•

Date: August 12, 2025

Should it be mutually agreed to base compensation for additional services on an hourly rate charge basis for each involved professional and technical employee's wage rate classification, the applicable hourly rates to be charged are as set forth and contained below.

CONSULTANT OR SUB-CONSULTANT NAME: **Tectonic Engineering**

(A separate page should be included for each sub-consultant.)

(1) Project Position or Classification (Function to be Performed)	(2) Current Direct** Payroll Average Hourly Rate	(3) Hourly Rate To Be Charged
Vice President		\$250.00
Project Director		\$215.00
Project Manager		\$175.00
Senior Engineer		\$175.00
Field Technician		\$120.00
Administrative		\$65.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00

•NOTE: A separate personnel hourly rate schedule should also be attached for each sub-consultant listed in Consultant's Associated Sub-Consultant(s) and Subcontractor(s).

**NOTE: Direct Payroll Hourly Rate means the actual gross hourly wage paid.

Compensation and Method of
Payment Broadband
Feasibility Study
Consultant's Personnel Hourly Rate Schedule*

Date: August 12, 2025

Should it be mutually agreed to base compensation for additional services on an hourly rate charge basis for each involved professional and technical employee's wage rate classification, the applicable hourly rates to be charged are as set forth and contained below.

CONSULTANT OR SUB-CONSULTANT NAME: **V-COMM**
(A separate page should be included for each sub-consultant.)

(1) Project Position or Classification (Function to be Performed)	(2) Current Direct** Payroll Average Hourly Rate	(3) Hourly Rate To Be Charged
Principal		\$300.00
Director		\$215.00
Sr. Engineer		\$180.00
Engineer		\$165.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
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		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00
		\$ 0.00

*NOTE: A separate personnel hourly rate schedule should also be attached for each sub-consultant listed in Consultant's Associated Sub-Consultant(s) and Subcontractor(s).

**NOTE: Direct Payroll Hourly Rate means the actual gross hourly wage paid.

EXHIBIT C

Time and Schedule of Performance
Broadband Feasibility Study

Date: October 6, 2025

This Exhibit establishes times of completion for the various phases and tasks required to provide and perform the services and work set forth in the Scope of Professional Services. The Times and Schedule of Performance set forth hereinafter is established pursuant to Time and Schedule of Performance.

Note: Some phases may overlap, and specific dates will depend on notice to proceed, dates of engagement events and/or council meetings, timeliness of approval of documents from the City, and other unforeseen circumstances.

Task Number	Task Title	Number of Calendar Days For Completion of Each Phase and/or Task	Cumulative Number of Calendar Days for Completion From Date of Notice to Proceed
Phase 1: Discovery		30 Days <i>November 3 – December 5, 2025</i>	30 Days
1.1	Initial Project Planning Meeting		
1.2	Kickoff Meeting (on site) and tour		
1.3	Data Review-existing fiber		
1.4	Project Check-In Meetings (for length of project)		
1.5	Monthly Progress Reports		
Phase 2: Engagement		90 Days <i>November 10 – February 20, 2026 see**</i>	90 Days
2.1	Initiate Market Research		
2.2	Conduct inventory of existing ISP's/fiber providers		
2.3	Reach out to current fiber providers to discuss existing & future build out plans		

2.4	Summarize feedback from Market Research		
Phase 3: Analysis		90 Days January 5 – April 10	90 Days
3.1	Analyze Relevant Trends		
3.2	Analyze Market Research		
3.3	Inventory City Assets		
3.4	Analyze current City ordinance with regards to telecommunications		
3.5	Download current FCC database info		
3.6	Analyze Financial & Funding Resources available for the city		
3.7	Identify and Assess Similar Providers		
Phase 4: Network Design & Options		30 Days April 10 – May 13, 2026	30 Days
4.1	Develop Recommendations for City		
Phase 5: Final Plan		30 Days May 13 – June 19, 2026	30 Days
5.1	Prepare draft study for review		
5.2	Deliver a Final Presentation		
5.3	Finalize the Study upon City approval		

**Note – will lose 7 days in November, 10 days in December and 2 days in May

EXHIBIT D

REQUEST FOR PROPOSALS

Broadband Feasibility Study

Consultant Services

RFP25-IT001



City of Sanibel

800 Dunlop Road
Sanibel, Florida 33957
www.mysanibel.com

RFP Issued:
March 24, 2025

Closing Date:
April 24 2025
at 3:00 PM

IMPORTANT: Responses received after the due date will not be considered and will be returned without review

A. INTRODUCTION

The purpose of this Request for Proposals (“RFP”) is to solicit Proposals from qualified firms to complete a Broadband Feasibility Study.

The intent of the City of Sanibel (hereinafter “City” or “city”) is to award a contract by the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant – Disaster Recovery (CDBG-DR). Program Consultants are required to comply in accordance with Federal Grant Requirements, 2 CFR part 200 and 24 CFR part 570, terms, conditions, and specifications. The City will select the top-ranked firm to perform the specified services based upon the evaluation as provided herein.

B. CITY OF SANIBEL

General Information

1. The City of Sanibel is located on a barrier island in the Southwestern portion of the State of Florida and has a permanent population of approximately 6,600, increasing to approximately 31,000 during the peak winter season.
2. The City provides a full range of municipal services, including police, emergency management, and 911 services, streets and shared use pathway maintenance, parks & recreation (including a 32,000 square foot Recreation Facility), planning, public improvements, wastewater utility services, natural resource management, below market rate housing and general administrative services.
3. The City operates under a Council-Manager form of government. The legislative and governing body of the City consists of five council members elected at-large from whom a Mayor and Vice-Mayor is selected annually by majority vote of the council members. Each Council Member is elected to a four-year staggered term.
4. The Council appoints the City Attorney and the City Manager, who is the chief administrative officer of the City. The City Manager hires all other City employees. Dana Souza has served as City Manager since November 2021.
5. In November of 1974, the Island of Sanibel became incorporated as a municipality of Lee County, Florida. The desire for self-determination grew from the perceived need for orderly future development of Sanibel such that the natural characteristics of the Island are preserved. The Act establishing the City includes the following language: “in the planning for the orderly future development of an Island community known far and wide for its unique atmosphere and unusual natural environment and to ensure compliance with such planning so that these unique and natural characteristics of the Island shall be preserved.”
6. The Sanibel Plan is the City’s comprehensive land use plan, first adopted in 1976. The Sanibel Plan includes a vision statement, first incorporated into the plan in 1995 and adopted into the City’s charter in 2006. The hierarchy of values as put forth in the [Vision Statement](#) is central to any policy decision made by the City – sanctuary as the primary quality, followed by community, followed by attraction, but attraction only if done in a way that protects both the wildlife and people who make Sanibel Island their home.
7. The Sanibel Plan strictly limits density and development, and the City is essentially built out, with approx. 9,000 units permitted by the development intensity map and few vacant lots remaining. However, traffic and traffic management – particularly related to seasonal traffic –have been issues in the community since incorporation. Sanibel is a popular tourist destination with only one point of vehicular access.

C. SCOPE OF SERVICES

General Requirements

Contractor will provide Broadband Feasibility Study Services in the City with a focus on providing

enhanced and reliable Broadband Internet Service to all Sanibel areas, residents, business and other entities. Of particular note would be areas lacking appropriate coverage, deemed not financially viable by the current ISP's due to the costs to provide them service. The study should identify broadband needs, needs by subscribers for symmetrical, increased speed and access and what available technologies can satisfy them, methods to provide services, and funding opportunities.

The Study will also evaluate the option for the City to become an Internet Service Provider, likely as a separate Enterprise Entity. This evaluation also needs to fully examine all the aspects of this option with regards to, but not limited to: funding options, state statute requirements, public-private partnerships, and changes needed to Sanibel ordinances that might be required.

Contractor will, in the performance of this Agreement, maintain close communications with the City Project Manager.

The Scope of Work is a written set of expectations that will be included in a Broadband Feasibility Study Services agreement. Contractor's proposals shall address, at a minimum, the areas outlined in the Scope of Work, and shall clearly identify the Contractor's approach to each part of this RFP to meet the City's goals. It will be the Contractor's responsibility to determine how each task will be undertaken and identify the specific elements that will be required to accomplish the objectives of the project.

1. Conduct a review of current trends in telecommunications technologies and the industries they support. Assess what will be required to develop additional broadband infrastructure.
2. Complete an analysis of the existing Internet service providers (ISPs) and existing broadband infrastructure in the area of study. Provide a clear picture of the state of broadband in the study area and how any forthcoming network will fit into that landscape. Analysis should identify service models that could be utilized in the area. Outcomes will include GIS maps detailing the physical extent of fiber-optic lines, service areas, incumbency, and level of service provided.
3. Complete a residential market analysis to serve as the basis for determining market need and adoption rates if new infrastructure is installed.
4. Complete a needs assessment for larger-scale use of broadband for area businesses, library, non-profits, schools, and other economic development stakeholders. Receive and take into consideration stakeholder concerns and input and ensure the needs of the business community are known and met. This can be facilitated using online surveys, community interviews, and business interviews.
5. Identify state and federal funding (ARPA) options as well as public or private partnerships that are available to the county for funding the construction, implementation, and subsequent operation of the network. Develop a cost table with associated costs, mapping, and timelines to construct infrastructure upgrades.
6. If it is determined that the City should embark to provide services as a Enterprise, develop a set of initial projects for the City to embark upon to begin the creation of the fiber-optic network. These projects will consider all the information gathered so far concerning the existing fiber-optic infrastructure, any gaps in the same, and the overall landscape of broadband in the county or study area.

Project Deliverables

1. Broadband infrastructure strategic technology implementation plan for area of study.
2. Recommend and prioritize projects based on studies above for all areas.
3. Investigate and recommend funding sources that include local, state, federal, and private

- opportunities.
4. Detailed analysis of potential models for an expanded network to meet the unmet needs of the county based on the project assessment. This will include the evaluation for Sanibel to become and Internet Service Provider. This includes but is not limited to the following: benefits; liabilities; likely challenges; if local ordinances or other statutory and regulatory changes that would be needed; a detailed business model.
 5. Evaluate and identify public-private partnerships for infrastructure projects and how they would work.

D. QUALIFICATIONS

1. Respondents must meet the minimum qualification requirements provided herein, to be considered responsive to the requirements of this RFP. Respondents must provide sufficient documentation to demonstrate their compliance with the following minimum requirements:
2. Must be registered at www.SAM.gov, or provide proof of having initiated the registration process, and have no Active Exclusions cited at www.SAM.gov.
3. Must have successfully completed at least three (3) projects of similar scope described herein, within the past eight (8) years.
4. Respondents must possess demonstrated experience in Broadband Analysis, Engineering, Public Outreach, or Public-Private Telecommunications Partnerships. Provide work samples and references.

E. SPECIAL CONSIDERATIONS

1. The Information Technology Director will serve as the main point of contact for this contract.
2. Consultants must have a current Lee County Business Tax receipt and be eligible to apply for a Sanibel Business Tax Receipt, if one has not been issued.
3. Under no circumstances should any prospective proposer, or anyone acting for or on behalf of a prospective proposer, seek to influence or gain the support of any member of the City Council or City staff favorable to the interest of any prospective proposer. Likewise, contact with City Council members or City staff against the interests of other prospective proposers is prohibited. Any such activities may result in the exclusion of the prospective proposer from consideration by the City.
4. Questions or clarifications relating to this RFP are to be submitted to the Information Technology Director via email to (bert.smith@mysanibel.com). Questions must be received by the City no later than 3 business days prior to the proposal opening to ensure sufficient time to reply. Responses will be issued within 2 business days of receipt. Questions will not receive oral responses, except to confirm if the City received the written question. Responses to questions or clarifications will be sent out to all proposers via an addendum.
6. By submission of this proposal, the undersigned, as proposer, does declare that the only person, or persons, interested in this proposal as principal or principals is/are named therein and that no person other than therein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a proposal, and that it is, in all respects, fair and in good faith without collusion or fraud;
7. Conflict of interest/Business Relationship Disclosure Requirement: The award hereunder is subject to the provisions of F.S. 112.313(2), 112.313(7) & 112.317.
8. Failure to Make a Disclosure/Public Officers and Employees: All bidders must disclose with their submission the name of any officer, director or agent who is also an employee of the city.
9. or any of its agencies. Further, all bidders must disclose the name of any city employee

who owns directly or indirectly, an interest of five percent (5%) or more in the bidder's firm or any of its branches. The award is also subject to F.S. 119.071 Public Records

10. Among others listed herein, the following Florida Statutes must be followed:
 - A) F.S. 287.05701 Prohibition against using social, political or ideological interests in government contracting.
 - B) F.S. 287.133 Convicted vendor
 - C) F.S. 20.055(5) Inspector General Cooperation
 - D) F.S. 218.80 Public Bid Disclosure Act
 - E) F.S. 287.134 Discriminatory Vendor List
 - F) F.S. 337.168 Confidentiality provision
 - G) F.S. 435 Background Screening Compliant
 - H) F.S. 448.095 Employment Eligibility requirement
 - I) F.S. 607.1501 Foreign Corporation
 - J) F.S. 760 Florida Civil Rights Act
 - K) F.S. 287.057 (25) Anti-Lobbying Clause (Cone of Silence)

F. SELECTION PROCESS AND SCHEDULE

Issue RFP March 24, 2025
RFP Proposals Due to City April 24, 2025, 3:00 PM
Evaluation Committee Review of Proposals April 28, 2025
Final Selection and Recommendation to City Council May 12, 2025
City Council Meeting to Approve Recommendation June 3, 2025

G. PROPOSAL EVALUATION

Each proposal will be evaluated in accordance with the following sets of criteria:

1. Cover Letter (No points assigned)
 - a. Brief letter introducing the firm or team
 - b. Information on why the City should select the firm/team
 - c. Identification of primary engagement personnel and/or main points of contact

2. Qualifications and Experience of Person(s) Assigned to the Project (30 points)
 - a. Respondent must demonstrate possessing at least the minimum qualifications provided herein. Respondent shall sufficiently demonstrate the qualifications of company, staff, key personnel, and any proposed sub-consultants and sub-contractors who may perform any aspect of the scope of services provided herein.
 - b. Respondent(s) shall provide a brief summary of the overall capabilities of staff and any proposed sub-consultants and sub-contractors relative to Broadband Analysis, Engineering, Public Outreach, or Public-Private Telecommunications Partnerships, as outlined in the scope of work. Copies of all current licenses and applicable certifications held by the Respondent and proposed sub-consultants and/or sub-contractors must be submitted.
 - c. Respondents and/or sub-consultants or sub-contractors that possess staff and company qualifications in multiple disciplines should provide documentation of all qualifications for each discipline.
 - d. Should sub-consultant(s) be listed as part of the project team, the proposer shall provide a letter from each sub-consultant that indicates the sub-consultant's intent to be part of the project team. Provide three (3) completed reference questionnaires from municipal

clients whose projects are of a similar nature to this solicitation as a part of their proposal completed within the past 8 years. Points will be awarded by each reviewer by comparing the needs of the City to the information provided in each proposal

3. Experience of the Firm (30 points)

- a. The ideal Consultant(s) shall possess demonstrated experience in Broadband Analysis, Engineering, Public Outreach, or Public-Private Telecommunications Partnerships.
- b. Respondents must demonstrate meeting the minimum experience requirements provided herein. Respondents shall provide a minimum of three (3) reference projects from within the last eight (8) years, similar to the scope stated above and done on behalf of a federal, state, or local entity. The City reserves the right to contact any or all of them, as a reference.
- c. The Respondent shall provide at least three (3) separate and verifiable clients, for which work similar to that specified in this solicitation has been performed. The references provided must cumulatively document at least three (3) years of similar service.

4. Cost Proposal (15 points)

Respondents shall submit a not-to-exceed cost breakdown to complete the scope of services. The cost proposal must include a statement that the proposal remains in effect for ninety (90) days.

5. Capacity of Firm (20 points)

Indicate whether firm currently has on payroll all employees necessary for performance of all the required work or whether firm would have to hire new employees, and whether the firm otherwise has the financial resources to timely provide the services. Describe staffing plans and the intended presence in the City. Provide information about whether management resources will be positioned locally to ensure completion of the scope of work described in this RFP. Respondents shall describe any current/future workloads that responsible personnel are assigned simultaneous to their prospective work for the City of Sanibel. Any additional information the Respondent wishes to be considered in the evaluation of its ability to render services to the City.

6. Certified small and minority business, women business enterprise and veteran owned business enterprises (5 points)

Provide applicable documentation supporting the Respondent's qualifications as a minority, small business, or women-owned entity.

H. MANDATORY PROPOSAL FORMAT RESPONSE

Interested firms must submit three (3) paper copies and one electronic version on a USB flash drive of their proposal. Proposal must be submitted as follows in a sealed envelope identifying the RFP Name, Number and Closing date as shown on the first page of this Request.

Submit proposals to:

City of Sanibel
Bert Smith, IT Director
800 Dunlop Road
Sanibel, Florida 33957

- I. **GENERAL CONDITIONS:** This is a request for proposals. Any and all of the following general conditions, covered on the next three pages, that are or could be applicable to a proposal, or a contract for services, arising therefrom, shall be deemed applicable and effective. Any reference to "bid" or "bidder" shall be deemed a reference to "proposal" or "proposer", as applicable.
1. **SEALED BID:** All bids must be submitted in a sealed envelope. The face of the envelope shall contain the bid name and bid number. Bids not submitted on attached bid form shall be rejected. All bids are subject to the conditions specified herein. Those which do not comply with these conditions are subject to rejection.
 2. **EXECUTION OF BID:** Bid must contain a manual signature of authorized representative in the proposal section. Bid must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by bidder to his bid must be initialed.
 3. **NO BID:** If not submitting a bid, please respond by returning a statement explaining the reason in the spaces provided. Failure to respond to a city RFP, RFQ or ITB 3 times in succession without justification shall be cause for removal of the supplier's name from the bid mailing list. NOTE: To qualify as a respondent, bidder must submit a "NO BID," and it must be received no later than the stated bid opening date and hour.
 4. **BID OPENING:** Shall be public, on the date and at the time specified on the bid form. It is the bidder's responsibility to assure that his bid is delivered at the proper time and place of the bid opening. Bids, which for any reason are not so delivered, will not be considered. Offers by telephone or fax are not acceptable. Bid files may be examined during normal working hours.
 5. **WITHDRAWAL OF BIDS:** By written request, any bidder may withdraw a bid at any time prior to the scheduled bid opening. Bids may not be withdrawn within ninety (90) days after the opening of bids.
 6. **PRICES, TERMS and PAYMENT:** Firm Prices shall be bid and include all packing, handling, shipping charges and delivery to the destination shown herein. Bidder is encouraged to offer cash discount for prompt invoice payment. Payment terms of less than 45 days will not be considered.
 - a. **TAXES:** The City of Sanibel does not pay federal excise and sales taxes on direct purchases of tangible personal property. See exemption number on face of purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for the improvement of City-owned real property.
 - b. **MISTAKES:** Bidders are expected to examine the specifications, delivery schedule, bid prices, extensions, and all instructions pertaining to supplies and services. Failure to do so will be at bidder's risk. In case of mistake in extension, the unit price will govern.
 - c. **CONDITION AND PACKAGING:** It is understood and agreed that any item offered or shipped as a result of this bid shall be a new, current standard production model available at the time of this bid. All containers shall be suitable for storage or shipment, and all prices shall include standard commercial packaging.
 - d. **SAFETY STANDARDS:** Unless otherwise stipulated in the bid, all manufactured items and fabricated assemblies shall comply with applicable requirements of Occupational Safety and Health Act and any standards there under.

- e. **UNDERWRITERS' LABORATORIES:** Unless otherwise stipulated in the bid, all manufactured items and fabricated assemblies shall carry U.L. approval and re-examination listing where such has been established.
 - f. **PAYMENT:** Payment will be made by the City after the items awarded to a vendor have been received, inspected, and found to comply with award specifications, free of damage or defect and properly invoiced. All invoices shall bear the purchase order number. Payment for partial shipments shall not be made unless specified in the bid. Failure to follow these instructions may result in delay in processing invoices for payment. In addition, the purchase order number must appear on bills of lading, packages, cases, delivery lists and correspondence.
7. **DELIVERY:** Unless actual date of delivery is specified (or if specified delivery cannot be met), show number of days required to make delivery after receipt of purchase order in space provided. Delivery time may become a basis for making an award (see Special Conditions). Delivery shall be within the normal working hours of the user, Monday through Friday, unless otherwise specified.
8. **MANUFACTURERS' NAMES AND APPROVED EQUIVALENTS:** Any manufacturers' names, trade names, brand names, information and/or catalog numbers listed in a specification are for information and not intended to limit competition. The bidder may offer any brand for which he is an authorized representative, which meets or exceeds the specification for any item(s). If bids are based on equivalent products, indicate on the bid form the manufacturer's name and number. Bidder shall submit with his proposal, cuts, sketches, and descriptive literature, and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. The bidder shall also explain in detail the reason(s) why the proposed equivalent will meet the specifications and not be considered an exception thereto. Bids which do not comply with these requirements are subject to rejection. Bids lacking any written indication of intent to quote an alternate brand will be received and considered in complete compliance with the specifications as listed on the bid form.
9. **INTERPRETATIONS:** Any questions concerning conditions and specifications shall be directed in writing to this office for receipt no later than three (3) business days prior to the bid opening. Inquiries must reference the date of bid opening and bid number. Failure to comply with this condition will result in bidder waiving his right to dispute the bid.
10. **AWARDS:** As the best interest of the City may require, the right is reserved to make award(s) by individual item, group of items, all or none or a combination thereof; to reject any and all bids or waive any minor irregularity or technicality in bids received.
11. **ADDITIONAL QUANTITIES:** For a period not exceeding ninety (90) days from the date of acceptance of this offer by the City, the right is reserved to acquire additional quantities up to but not exceeding those shown on bid at the prices bid in this invitation. If additional quantities are not acceptable, the bid sheets must be noted "BID IS FOR SPECIFIED QUANTITY ONLY." (THIS PARAGRAPH DOES NOT APPLY FOR A TERM CONTRACT.)
12. **SERVICE AND WARRANTY:** Unless otherwise specified, the bidder shall define any warranty service and replacements that will be provided during and subsequent to this contract. Bidders must explain on an attached sheet to what extent warranty and service facilities are

provided.

13. **PURCHASES BY OTHER GOVERNMENTAL AGENCIES:** The City of Sanibel is one of several local entities participating in cooperative purchasing agreements. As such, other entities in Collier, Lee and Charlotte Counties may elect to purchase from this contract, unless the bidder explicitly states in his bid proposal that the bid prices are offered to the City of Sanibel only.
14. **BID PROTEST:** Any person adversely affected by a proposed decision concerning a bid or award may protest the proposed decision by filing a written notice of protest with the city representative prior to the award of the contract, or by presenting the protest to city council prior to the award. The city council may refer the matter to a hearing officer for an informal hearing and recommendation to council prior to awarding a contract or may determine the protest on its own. The decision of the city council constitutes final action by the city.
15. **INSPECTION, ACCEPTANCE AND TITLE:** Inspection and acceptance will be at destination unless otherwise provided. Title and risk of loss or damage to all items shall be the responsibility of the contract supplier until accepted by the ordering agency, unless loss or damage results from negligence by the ordering
16. **DISPUTES:** In case of any doubt or difference of opinion as to the items to be furnished hereunder, the decision of the City shall be final and binding on both parties.
17. **GOVERNMENTAL RESTRICTIONS:** In the event any governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship or performance of the items offered on this proposal prior to their delivery, it shall be the responsibility of the successful bidder to notify the City at once, indicating in his letter the specific regulation which required an alteration. The City reserves the right to accept any such alteration, including any price adjustments occasioned thereby, or to cancel the contract at no expense to the City.
18. **LEGAL REQUIREMENTS:** Applicable provision of all Federal, State, county and local laws, and of all ordinances, rules, and regulations shall govern development submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) submitting a bid response hereto and the City of Sanibel by and through its officers, employees and authorized representatives, or any other person, natural or otherwise; and lack of knowledge by any bidder shall not constitute a cognizable defense against the legal effect thereof.
19. **PATENTS AND ROYALTIES:** The bidder, without exception, shall indemnify and save harmless the City of Sanibel and its employees from liability of any nature or kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Sanibel. If the bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.
20. **ADVERTISING:** In submitting a bid, bidder agrees not to use the results therefrom as a part of any commercial advertising.

21. **ASSIGNMENT:** Any Purchase Order issued pursuant to this bid invitation and the monies, which may become due hereunder, are not assignable except with the prior written approval of the City.
22. **LIABILITY:** The supplier shall hold and save the City of Sanibel, its officers, agents, and employees harmless from liability of any kind in the performance of this contract.
23. **PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
24. **DISCRIMINATION:** An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a contractor, supplier, subcontractor, or consultant under contract with any public entity, and may not transact business with any public entity.
25. **COUNTY TAXES:** No proposal shall be accepted from, and no contract will be awarded to any person, firm or corporation that is in arrears to the government of Sanibel or Lee County, Florida.
26. **OFFER EXTENDED TO OTHER GOVERNMENTAL ENTITIES:** The City of Sanibel encourages and agrees to the successful bidder/proposer extending the pricing, terms and conditions of this solicitation or resultant contract to other governmental entities at the discretion of the successful bidder/proposer.
27. **GENERAL INSURANCE REQUIREMENTS**
 - a. The Contractor shall not commence work until it has obtained all the insurance required under this RFP and until such insurance has been approved by the City, nor shall the Contractor allow any subcontractor to commence work until all similar insurance required of the subcontractor has also been obtained and approved by the City.
 - b. Certificates of insurance must be issued by an authorized representative of the insurance company at the request and direction of the policyholder and must include sufficient information so as to identify the coverage and the City contract for which they are issued.
 - c. The policies of Insurance shall be primary and written on forms acceptable to the City and placed with Insurance carriers approved and licensed by the Insurance Department in the State of Florida and meet a minimum financial A.M. Best & Company rating of no less than A- VII. The City of Sanibel is to be specifically included as an Additional Insured with regard to Comprehensive General Liability and the following shall also be stated on the Certificate: "The City of Sanibel shall be designated as Certificate Holder." This does not pertain to Workers' Compensation.
 - d. In the event the insurance coverage expires prior to the completion of the contract, a

renewal certificate shall be issued thirty (30) days prior to said expiration date. The policy shall provide a thirty (30) day notification clause in the event of cancellation or modification to the policy.

28. COMPREHENSIVE GENERAL LIABILITY

Not less than \$500,000 per occurrence; Combined Single Limit for Bodily Injury Liability and Property Damage Liability. This shall include Premises and/or Operations, Independent Contractors and Products and/or Completed.

29. WORKERS' COMPENSATION

Coverage per statutory Limits.

30. CERTIFICATE OF INSURANCE

- a. The Certificate must state the proposal number and title.
- b. The City of Sanibel must be named as Additional Insured on the insurance certificate and the following must also be stated on the certificate. "These coverages are primary to all other coverages the City possesses for this contract only."
- c. The City of Sanibel shall be named as the Certificate Holder. The Certificate Holder shall read as follows:
 - The City of Sanibel
 - 800 Dunlop Road
 - Sanibel, Florida 33957
- d. No City Division, Department, or individual name should appear on the Certificate.
- e. No other format will be acceptable.
- f. When using the "Accord" form of insurance certificate, please note that under the cancellation clause, the following must be deleted: "endeavor to" and "but failure to mail such notice shall impose no obligation or liability of any kind upon the company".
- g. Thirty (30) days cancellation notice required.

J. IF THIS BID IS FOR A TERM CONTRACT, THE FOLLOWING CONDITIONS SHALL ALSO APPLY

- 1. **ELIGIBLE USERS:** All departments of the City of Sanibel are eligible to use this term contract. Such purchases shall be exempt from the competitive bid requirements otherwise applying to their purchases.
- 2. **PRICE ADJUSTMENTS:** Any price decrease effectuated during the contract period by reason of market change shall be passed on to City of Sanibel. Price increases are not acceptable.
- 3. **CANCELLATION:** This contract may be cancelled in whole or in part by the City, upon fifteen (15) days' prior written notice to the contractor.
- 4. **RENEWAL:** To the extent applicable, the City of Sanibel reserves the option to renew the period of this contract, or any portion thereof for up to two (2) additional periods and under the same terms and conditions, upon written notice to the contractor.
- 5. **ABNORMAL QUANTITIES:** While it is not anticipated, should any unusual or abnormal

requirements arise, the City reserves the right to solicit separate bids thereon.

6. **FISCAL NON-FUNDING CLAUSE:** In the event sufficient funds are not budgeted for a new fiscal period, the City shall notify the contractor of such occurrence and the contract shall terminate on the last day of the current fiscal year without penalty or expense to the City.

K. IF THIS BID IS FOR PERFORMING A SERVICE, THE FOLLOWING CONDITIONS SHALL ALSO APPLY

1. **ALTERNATIVE BIDS:** Bidders offering service delivery methods other than those permitted by the scope of work may submit a separate envelope clearly marked "ALTERNATIVE BID". Alternative bids will be deemed non-responsive and will not be considered for award. All such responses will, however, be examined prior to award. Such examination may result in cancellation of all bids received to permit rewriting the scope of work to include the alternative method, or the alternative method may be considered for future requirements of the City of Sanibel.
2. **ANTITRUST:** By entering into a contract, the contractor conveys, sells, assigns and transfers to the City of Sanibel all rights, titles and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by the City of Sanibel under said contract.
3. **BIDDER INVESTIGATIONS:** Before submitting a bid, each bidder shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by the City of Sanibel upon which the bidder will rely. If the bidder receives an award as a result of its bid submission, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the contractor for additional compensation.
4. **CERTIFICATES AND LICENSES:** The contractor shall provide notarized copies of all valid licenses and certificates required for the performance of the work. The notarized copies shall be delivered to the City of Sanibel no later than ten (10) days after the contractor receives the notice of award from the City of Sanibel. Current notarized copies of all licenses and certificates shall be provided to the City within twenty-four hours of demand at any time during the contract term.
5. **CHANGE IN SCOPE OF WORK:** The City of Sanibel may order changes in the work consisting of additions, deletions or other revisions within the general scope of the contract. No claims may be made by the contractor that the scope of the project or of the contractor's services has been changed, requiring changes to the amount of compensation to the contractor or other adjustments to the contract unless such changes or adjustments have been made by written amendment to the contract signed by the City of Sanibel and the contractor. If the contractor believes that any particular work is not within the scope of the project and is a material change, or will otherwise require more compensation to the contractor, the contractor must immediately notify the City in writing of this belief. If the City believes that the particular work is within the scope of the contract as written, the contractor will be ordered to, and shall continue with, the work as changed and at the cost stated for the work within the scope.

6. **CONTRACTOR PERSONNEL:** The City of Sanibel shall, throughout the life of the contract, have the right of reasonable rejection and approval of staff or subcontractors assigned to the work by the contractor. If the City reasonably rejects staff or subcontractors, the contractor must provide replacement staff or subcontractors satisfactory to the City in a timely manner and at no additional cost to the City. The day-to-day supervision and control of the contractor's employees and sub- contractors is the responsibility solely of the contractor.
7. **COST REIMBURSEMENT:** The contractor agrees that all incidental costs, including allowances for profit and tools of the trade, must be included in the bid proposal rates. If an arrangement by written agreement is made between the contractor and the City to reimburse the contractor for the cost of materials provided in the performance of the work, the contractor shall be reimbursed in the following manner: The City shall reimburse the contractor on completion and acceptance of each assigned job, only for those materials actually used in the performance of the work that is supported by invoices issued by the suppliers of the contractor describing the quantity and cost of the materials purchased. No surcharge shall be added to the supplier's invoices or included in the contractor's invoice submitted to the City that would increase the dollar amount indicated on the supplier's invoice for the materials purchased for the assigned job. All Payments will be made in accordance with F.S. 218.70 Local Government Prompt Payment Act.
8. **EXCEPTIONS:** Bidders taking exception to any part or section of the solicitation shall indicate such exceptions on the bid form. Failure to indicate any exception will be interpreted as the bidder's intent to comply fully with the requirements as written. Conditional or qualified bids, unless specifically allowed, shall be subject to rejection in whole or in part.
9. **FAILURE TO DELIVER:** In the event of the contractor to fail to deliver services in accordance with the contract terms and conditions, the City, after due oral or written notice, may procure the services from other sources and hold the contractor responsible for any resulting purchase and administrative costs. This remedy shall be in addition to any other remedies that the City may have. The vendor is subject to Liquidated Damages for failure to deliver services in accordance with the contract terms and conditions. Liquidated Damages will be assessed in the amount of \$100 per day for each day the vendor is out of compliance with the terms and conditions of the contract.
10. **FAILURE TO ENFORCE:** Failure by the City at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of the City to enforce any provision at any time in accordance with its terms.
11. **FORCE MAJEURE:** The contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions and acts of God beyond the control of the contractor, unless otherwise specified in the contract.
12. **INDEPENDENT CONTRACTOR:** The contractor shall be legally considered an independent contractor and neither the contractor nor its employees shall, under any circumstances, be considered employees, servants or agents of the City of Sanibel and the City of Sanibel shall be at no time legally responsible for any negligence or any wrongdoing by the contractor, its servants or agents. The City of Sanibel shall not withhold from the contract payments to the contractor any federal income taxes, Social Security tax, or any other amounts for benefits to

the contractor. Further, the City shall not provide to the contractor any insurance coverage or other benefits, including Workers' Compensation normally provided by the City for its employees.

13. **ORAL STATEMENTS:** No oral statement of any person shall modify or otherwise affect the terms, conditions or specifications stated in this contract. All modifications to the contract must be made in writing, signed by the City of Sanibel and the contractor.
14. **QUALIFICATIONS OF BIDDERS:** The bidder may be required, before the award of any contract, to show to the complete satisfaction of the City of Sanibel that it has the necessary facilities, ability, and financial resources to provide the service specified therein in a satisfactory manner. The bidder may also be required to give a past history and references in order to satisfy the City in regard to the bidder's qualifications. The City may make reasonable investigations deemed necessary and proper to determine the ability of the bidder to perform the work, and the bidder shall furnish to the City all information for this purpose that may be requested. The City reserves the right to reject any bid if the evidence submitted by, or investigation of, the bidder fails to satisfy the City that the bidder is properly qualified to carry out the obligations of the contract and to complete the work described therein. Evaluation of the bidder's qualifications shall include those criteria detailed in Section G(2) above, including:
 - a. The ability, capacity, skill and financial resources to perform the work or service.
 - b. The ability to perform the work service promptly or within the time specified, without delay.
 - c. The character, integrity, reputation, judgment, experience, and efficiency of the bidder
 - d. The quality of performance of previous contracts or services.
15. **QUALITY CONTROL:** The contractor shall institute and maintain throughout the contract period a properly documented quality control program designed to ensure that the services are provided at all times and in all respects in accordance with the contract. The program shall include providing daily supervision and conducting frequent inspections of the contractor's staff and ensuring that accurate records are maintained describing the disposition of all complaints. The records so created shall be open to inspection by the City.
16. **RECOVERY OF MONEY:** Whenever, under the contract, any sum of money shall be recoverable from or payable by the contractor to the City, the same amount may be deducted from any sum due to the contractor under the contract or under any other contract between the contractor and the City. The rights of the City are in addition and without prejudice to any other right the City may have to claim the amount of any loss or damage suffered by the City on account of the acts or omissions of the contractor.
17. **REQUIREMENTS CONTRACT:** During the period of the contract, the contractor shall provide all the services described in the contract. The contractor understands and agrees that this is a requirements contract, and that the City shall have no obligation to the contractor if no services are required. Any quantities that are included by the City in the scope of work reflect the current expectations of the City for the period of the contract. The amount is only an estimate, and the contractor understands and agrees that the City is under no obligation to the contractor to buy any amount of services as a result of having provided this estimate or of having any typical or measurable requirement in the past. The contractor further understands and agrees that the City may require services in excess of the estimated annual contract amount and that the quantity actually used whether in excess of, or less than, the estimated

annual contract amount and that the quantity actually used shall not give rise to any claim for compensation other than the total of the unit prices in the contract for the quantity actually used.

18. **TERMINATION FOR CONVENIENCE:** The performance of work under the contract may be terminated by the City in whole or in part whenever the City determines that termination is in the City's best interest. Any such termination shall be affected by the delivery to the contractor of a written notice of termination of at least fifteen (15) days before the date of termination, specifying the extent to which performance of the work under the contract is terminated and the date upon which such termination becomes effective. After receipt of a notice of termination, except as otherwise directed, the contractor shall stop work on the date of the receipt of the notice or other date specified in the notice; place no further orders or subcontracts for materials, services or facilities except as necessary for completion of such portion of the work not terminated; terminate all vendors and subcontracts; and settle all outstanding liabilities and claims.
19. **TERMINATION FOR DEFAULT:** The City of Sanibel reserves the right to terminate the contract if the City determines that the contractor has failed to perform satisfactorily the work required, as determined by the City. In the event the City decides to terminate the contract for failure to perform satisfactorily, the City shall give to the contractor at least fifteen (15) days' written notice before the termination takes effect. The fifteen-day period will begin upon the mailing of notice by the City. If the contractor fails to cure the default within the fifteen (15) days specified in the notice and the contract is terminated for failure to perform satisfactorily, the contractor shall be liable for all excess costs that the City is required to expend to complete the work under contract.

L. THE FOLLOWING CONDITIONS ARE APPLICABLE FOR FEDERALLY FUNDED PROJECTS

The supplemental conditions contained in this section are intended supplement, and to modify, if necessary, the general conditions and other specifications. In cases of conflict with any other section of this contract, these supplemental conditions shall govern. This is an acknowledgement that federal financial assistance will be used to fund all or a portion of the contract. Pursuant uniform requirements of federal awards (2 CFR Part 200.1) the definition of CONTRACTOR is an entity that receives a Contract / Purchase Order.

1. **Compliance with Federal Law, Regulations and Executive Orders:** The City agrees to include in any contract that the contractor (i) is bound by the terms of the Federally-Funded Grant Agreement, (ii) is bound by all applicable state and federal laws and regulations, and (iii) shall hold the Division and City harmless against all claims of whatever nature arising out of the contractor's performance of work under this Agreement, to the extent allowed and required by law. Specifically, the contractor shall be responsible for being knowledgeable and performing any and all services under this contract in accordance with the following governing regulations along with all applicable Federal law, regulations, executive orders, policies, procedures, and directives.
 - a. 2 C.F.R. Part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards
 - b. 44 C.F.R. Part 206
 - c. The Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended, 42 U.S.C. 5121 et seq., and Related Authorities
2. **Access to Records:**

- a. The contractor agrees to provide the City, the Florida Department of Emergency Management, , the Comptroller General of the United States, or any other federal agency or any of their respective authorized representative’s access to any books, documents, papers, and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts, and transcriptions.
 - b. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
 - c. The contractor agrees to provide any applicable federal administrator or his authorized representatives’ access to construction or other work sites pertaining to the work being completed under the contract.
 - d. In compliance with section 1225 of the Disaster Recovery Act of 2018, the City and the Contractor acknowledge and agree that no language in this contract is intended to prohibit audits or internal reviews by the any applicable federal administrator, the Comptroller General of the United States, or any other appropriate federal auditor or reviewer.
3. **Affirmative Socioeconomic Steps:** If subcontracts are used, the prime contractor is required to take all necessary steps identified in 2 C.F.R. § 200.321(b)(1)-(5) to ensure that small and minority businesses, women’s business enterprises, veteran owned business enterprises, and labor surplus area firms are considered when possible.
 4. **Changes:** To be allowable under a federal grant or cooperative agreement award, the cost of any contract change, modification, amendment, addendum, change order, or constructive change must be necessary, allowable, allocable, within the scope of the grant or cooperative agreement, reasonable for the scope of work, and otherwise allowable.
 5. **Federal Seal, Logo, and Flags:** The contractor shall not use any federal seal(s), logos, crests, or reproductions of flags or likenesses of federal agency officials without specific federal pre-approval. The contractor shall include this provision in any subcontracts.
 6. **Domestic Preference for Procurements 200.322:** As appropriate and to the extent consistent with law, the non-Federal entity should, to the greatest extent practicable under a Federal award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this section must be included in all subawards including all contracts and purchase orders for work or products under this award. For purposes of this section: “Produced in the United States” means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. “Manufactured products” means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.
 7. **License and Delivery of Works Subject to Copyright and Data Rights:** The Contractor grants to the City, a paid-up, royalty-free, nonexclusive, irrevocable, worldwide license in data first produced in the performance of this contract to reproduce, publish, or otherwise use, including prepare derivative works, distribute copies to the public, and perform publicly and display publicly such data. For data required by the contract but not first produced in the performance of this contract, the Contractor will identify such data and grant to the City or acquires on its behalf a license of the same scope as for data first produced in the performance of this contract. Data, as used herein, shall include any work subject to copyright under 17 U.S.C. § 102, for example, any written reports or literary works, software and/or

source code, music, choreography, pictures or images, graphics, sculptures, videos, motion pictures or other audiovisual works, sound and/or video recordings, and architectural works. Upon or before the completion of this contract, the Contractor will deliver to the City data first produced in the performance of this contract and data required by the contract but not first produced in the performance of this contract in formats acceptable by the City.

8. **No Obligation by Federal Government:** The Federal Government is not a party to this contract and is not subject to any obligations or liabilities to the non-Federal entity, contractor, or any other party pertaining to any matter resulting from the contract.
9. **Prohibition on Covered Telecommunications Equipment or Services:**
 - a. Definitions. As used in this clause, the terms backhaul; covered foreign country; covered telecommunications equipment or services; interconnection arrangements; roaming; substantial or essential component; and telecommunications equipment or services have the meaning as defined in FEMA Policy, #405-143-1 Prohibitions on Expending FEMA Award Funds for covered Telecommunications Equipment or Services As used in this clause.
 - b. Prohibitions.
 - i. Section 889(b) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019, Pub. L. No. 115-232, and 2 C.F.R. § 200.216 prohibit the head of an executive agency on or after Aug. 13, 2020, from obligating or expending grant, cooperative agreement, loan, or loan guarantee funds on certain telecommunications products or from certain entities for national security reasons.
 - ii. Unless an exception in paragraph (c) of this clause applies, the contractor and its subcontractors may not use grant, cooperative agreement, loan, or loan guarantee funds from the Federal Emergency Management Agency (or any other federal agency) to:
 - Procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;
 - Enter into, extend, or renew a contract to procure or obtain any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology of any system;
 - Enter into, extend, or renew contracts with entities that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system; or
 - Provide, as part of its performance of this contract, subcontract, or other contractual instrument, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system.
 - c. Exceptions.
 - i. This clause does not prohibit contractors from providing:
 - A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or
 - Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment

- transmits or otherwise handles.
- ii. By necessary implication and regulation, the prohibitions also do not apply to:
 - Covered telecommunications equipment or services that are not used as a substantial or essential component of any system; and are not used as critical technology of any system.
 - Other telecommunications equipment or services that are not considered covered telecommunications equipment or services.
 - d. Reporting requirement.
 - i. In the event the contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the contractor is notified of such by a subcontractor at any tier or by any other source, the contractor shall report the information in paragraph d.ii. of this clause to the recipient or subrecipient, unless elsewhere in this contract are established procedures for reporting the information.
 - ii. The Contractor shall report the following information pursuant to subparagraph d(i) of this clause: Within one business day from the date of such identification or notification: The contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended. Within 10 business days of submitting the information in paragraph of this clause: Any further available information about mitigation actions undertaken or recommended. In addition, the contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.
 - e. Subcontracts. The Contractor shall insert the substance of this clause, including this paragraph(e), in all subcontracts and other contractual instruments.
10. **Program Fraud and False or Fraudulent Statements or Related Acts:** The Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the contractor's actions pertaining to this contract.
11. **Rights to Inventions Made Under a Contract or Agreement:** If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.
12. **Suspension and Debarment:**
- a. This contract is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractor is required to verify that none of the contractor, its

principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).

- b. The contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
 - c. This certification is a material representation of fact relied upon by the City. If it is later determined that the contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to the City, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
 - d. The bidder or proposer agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.
13. **Procurement of Recovered Materials (§200.323) (Over \$10,000):** In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA designated items unless the product cannot be acquired— Competitively within a timeframe providing for compliance with the contract performance schedule; Meeting contract performance requirements; or at a reasonable price. Information about this requirement, along with the list of EPA-designated items, is available at EPA’s Comprehensive Procurement Guidelines webpage: [.https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program](https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program). The Contractor also agrees to comply with all other applicable requirements of Section 6002 of the Solid Waste Disposal Act.
14. **Termination for Cause and Convenience (over \$10,000):** See Standard Purchase Order and/or Contract Terms and Conditions
15. **Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352 (as amended) (over \$100,000):** Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.” Contractors must sign and submit a certification to the City with each bid or offer exceeding \$100,000. See Certifications and Assurances and the end of this document.
16. **Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708) (over \$100,000):** Where applicable, all contracts awarded by the solicitor in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5).
- a. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics

shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

- b. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$27 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.
- c. Withholding for unpaid wages and liquidated damages. The City or any applicable federal agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.
- d. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph a. through d. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs a. through d. of this section.
- e. For contracts that are only subject to Contract Work Hours and Safety Standards Act and are not subject to the other statutes in 29 C.F.R. § 5.1: Further Compliance with the Contract Work Hours and Safety Standards Act.
 - 1. The contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid.
 - 2. Records to be maintained under this provision shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Department of Homeland Security, the Federal Emergency Management Agency, and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

17. Clean Air Act (over \$150,000):

- a. The contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq.
 - b. The contractor agrees to report each violation to the City and understands and agrees that the City will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
 - c. The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance.
18. **Federal Water Pollution Control Act (over \$150,000):**
- a. The contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq.
 - b. The contractor agrees to report each violation to the City and understands and agrees that the City will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office.
 - c. The contractor agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance.
19. **Administrative, Contractual, or Legal Remedies (over \$250,000):** Unless otherwise provided in this contract, all claims, counterclaims, disputes and other matters in question between the local government and the contractor, arising out of or relating to this contract, or the breach of it, will be decided by arbitration if the parties mutually agree, or in a Florida court of competent jurisdiction.
20. **Equal Employment Opportunity Clause (§60-1.4):** Except as otherwise provided under 41 C.F.R. Part 60, all contracts that meet the definition of “federally assisted construction contract” in 41 C.F.R. § 60-1.3 must include the equal opportunity clause provided under 41 C.F.R. § 60- 1.4. During the performance of this contract, the contractor agrees as follows:
- a. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
 - b. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
 - c. The contractor will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances

in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.

- d. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- e. The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- f. The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- g. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- h. The contractor will include the portion of the sentence immediately preceding paragraph 20. and the provisions of paragraphs a. through h. in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

21. Foreign countries of concern prohibited

a. Pursuant to Florida Statute 287.138 (2), a governmental entity may not knowingly enter into a contract with an entity which would give access to an individual's personal identifying information if: (a) The entity is owned by the government of a foreign country of concern. (b) The government of a foreign country of concern has a controlling interest in the entity; or (c) The entity is organized under the laws of or has its principal place of business in a foreign country of concern.

b. Beginning July 1, 2025, a governmental entity may not extend or renew a contract with an entity listed in Florida Statute 287.138 (2)(a)-(c) if the contract would give such entity access to an individual's personal identifying information.

c. Beginning January 1, 2024, a governmental entity may not accept a bid on, a proposal for, or a reply to, or enter into, a contract with an entity which would grant the entity access to an individual's personal identifying information unless the entity provides the governmental entity with an affidavit signed by an officer or representative of the entity under penalty of perjury attesting that the entity does not meet any of the criteria in Florida Statute 287.138 (2)(a)-(c).

d. Beginning July 1, 2025, when an entity extends or renews a contract with a governmental entity which would grant the entity access to an individual's personal identifying information, the entity must provide the governmental entity with an affidavit signed by an officer or representative of the entity under penalty of perjury attesting that the entity does not meet any of the criteria in Florida Statute 287.138 (2)(a)-(c).

e. The Attorney General may bring a civil action in any court of competent jurisdiction against an entity that violates this section.

22. Human trafficking: Pursuant to Florida Statute 787.06, when a contract is executed, renewed, or extended between a nongovernmental entity and a governmental entity, the nongovernmental entity must provide the governmental entity with an affidavit signed by an officer or a representative of the nongovernmental entity under penalty of perjury attesting that the nongovernmental entity does not use coercion for labor or services as defined in F.S. 787.06.

23. Davis Bacon Act: Not Applicable to this procurement

24. Copeland Anti-Kickback Act: makes it unlawful to induce, by force, intimidation, threat of procuring dismissal from employment, or otherwise, any person employed in the construction or repair of public buildings or public works, financed in whole or in part by the United States, to give up any part of the compensation to which that person is entitled under a contract of employment. The Copeland Act also requires each contractor and subcontractor to furnish weekly a statement of compliance with respect to the wages paid each employee during the preceding week. Contracts subject to the Copeland Act shall contain a clause (see [52.222-10](#)) requiring contractors and subcontractors to comply with the regulations issued by the Secretary of Labor under the Copeland Act.

THE CITY OF SANIBEL IS AN EQUAL OPPORTUNITY EMPLOYER

REFERENCES
REFERENCE INFORMATION MUST BE COMPLETED AND RETURNED WITH PROPOSAL
Please use this form or a reasonable facsimile.

PROVIDE AT LEAST THREE REFERENCES FOR WHOM YOUR COMPANY HAS PROVIDED SAME OR SIMILAR SERVICES WITHIN THE LAST 8 YEARS.

COMPANY NAME: _____

ADDRESS: _____

TELEPHONE: _____

CONTACT PERSON: _____

COMPANY NAME: _____

ADDRESS: _____

TELEPHONE: _____

CONTACT PERSON: _____

COMPANY NAME: _____

ADDRESS: _____

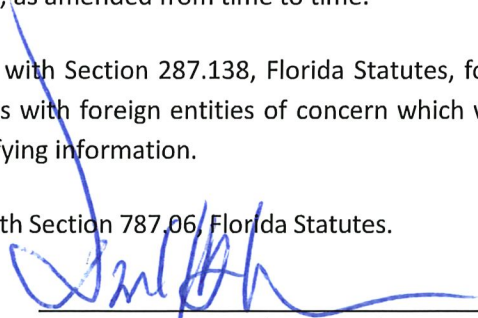
TELEPHONE: _____

CONTACT PERSON: _____

**AFFIDAVIT OF COMPLIANCE WITH SECTIONS 287.138 and 787.06,
FLORIDA STATUTES**

Before me, the undersigned authority, personally appeared **(Name of affiant)**,
Donald A. Benvie who, after being first duly sworn, deposes and

1. Affiant is the **(Title)** Chief Executive Officer of **(Business Name)**
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. Inc. which does
business in the State of Florida, hereinafter called the "Vendor."
2. Vendor, pursuant to Section 287.138, Florida Statutes, certifies that (1) Vendor is not owned by a government of a foreign country of concern; (2) a government of a foreign country of concern does not have a "controlling interest" in Vendor, as defined by Section 287.138(1)(a), Florida Statutes; and (3) Vendor is not organized under the law of nor has its principal place of business in a foreign country of concern. For the purposes of this affidavit, foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes, as amended from time to time.
3. Vendor, pursuant to Section 787.06, Florida Statutes, certifies that Vendor does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, as amended from time to time.
4. This Affidavit is executed by the Vendor in accordance with Section 287.138, Florida Statutes, for the purposes of preventing the City from entering contracts with foreign entities of concern which would provide Vendor access to an individual's personal identifying information.
5. This Affidavit is executed by the Vendor in accordance with Section 787.06, Florida Statutes.



(Signature)
10/1/25

(Date)

STATE OF New York
COUNTY OF Orange

Sworn to (or affirmed) and subscribed before me, by means of physical presence or online notarization, this 12 day of October 2025, by Donald A. Benik who has produced
(Print or Type Name)

personally known to me as identification.
(Type of Identification)

Kellye Batewell
Notary Public Signature

Kellye Batewell
Printed Name of Notary Public

01BA6425327 / 11/15/25
Notary Commission Number/Expiration

Kellye Batewell
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01BA6425327
Qualified in Orange County
Commission Expires November 15, 2025

Tectonic

PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.



PROPOSAL

Request for Proposal

**Broadband Feasibility Study
City of Sanibel**

RFP# 25-ITO01
DN# 25-0288

Submitted By:

**Tectonic Engineering Consultants, Geologists
& Land Surveyors, D.P.C., Inc.**

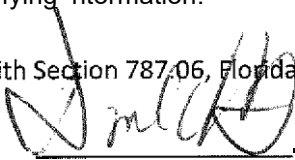
407 Lithia Pine Crest Road
Sanibel, FL 33511

April 24, 2025

**AFFIDAVIT OF COMPLIANCE WITH SECTIONS 287.138 and 787.06,
FLORIDA STATUTES**

Before me, the undersigned authority, personally appeared **{Name of affiant}**,
-□□o□n□a□ld□B□e□nv□i□e_____ who, after being first duly sworn, deposes and

1. Affiant is the **(Title)** Chief Executive Officer of **(Business Name)**
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C., Inc. which does
business in the State of Florida, hereinafter called the "Vendor."
2. Vendor, pursuant to Section 287.138, Florida Statutes, certifies that (1) Vendor is not owned by a government of a foreign country of concern; (2) a government of a foreign country of concern does not have a "controlling interest" in Vendor, as defined by Section 287.138(1)(a), Florida Statutes; and (3) Vendor is not organized under the law of nor has its principal place of business in a foreign country of concern. For the purposes of this affidavit, foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes, as amended from time to time.
3. Vendor, pursuant to Section 787.06, Florida Statutes, certifies that Vendor does not use coercion for labor or services as defined in Section 787.06, Florida Statute' as amended from time to time.
4. This Affidavit is executed by the Vendor in accordance with Section 287.138, Florida Statutes, for the purposes of preventing the City from entering contracts with foreign entities of concern which would provide Vendor access to an individual's personal identifying information.
5. This Affidavit is executed by the Vendor in accordance with Section 787.06, Florida Statutes.



(Signature)

4/10/25
(Date)

STATE OF New York
COUNTY OF Westchester

Sworn to {or affirmed) and subscribed before me, by means of physical presence or online notarization,
this J.Q_ day of April 20□, by Donald Benvie who has produced
(Print or Type Name)

personlly known to me as identification.
(Type of Identification)

ffan

Kellye Batewell
Printed Name of Notary Public
01BA6425327
Notary Commission Number/Expiration

Kellye aatawell NOTARY PUBLIC, STATE OF NEW YORK Registration No. 018A6425327 Qualified in Orange County 5 20"E: c:vnires November 1 , id: 1 eomrrhss.on



City of Sanibel

**ADDENDUM NO. 1
March 27, 2025**

RE: Broadband Feasibility Study (RFP-25-IT001-0-2025/BS) Proposal due date: April 24, 2025 at 3:00pm

FROM: City of Sanibel
800 Dunlop Road
Sanibel, FL 33957

TO: Prospective Bidders and Others Concerned

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions, and/or revisions to and shall take precedence over the original document.

A. Questions and Answers

Question No. 1: Is this RFP for ISP's only

Response No. 1: No.

Question No. 2: Is this RFP for Architectural Engineering only

Response No. 2: No

Question No. 3: Is a Registered PE stamp required on deliverables to the City

Response No. 3: No

A. ACKNOWLEDGEMENT OF ADDENDA

- a. The Bidder shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of bid.
- b. All other terms, conditions and specifications of RFP-25-IT001-0-2025/BS remain the same.
- c. Receipt acknowledged by:

Edward F Martella

4/24/2025

Authorized Signature & Date Signed

Edward F. Martella

Title

Tectonic Engineering & Surveying Consultants, P.C.

Name of Firm



City of Sanibel

ADDENDUM NO. 2
April 2, 2025

RE: Broadband Feasibility Study (RFP-25-IT001-0-2025/BS) Proposal due date: April 24, 2025 at 3:00pm

FROM: City of Sanibel
800 Dunlop Road
Sanibel, FL 33957

TO: Prospective Bidders and Others Concerned

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions, and/or revisions to and shall take precedence over the original document.

A. Questions and Answers

- Question No. 1: Does the city have a list of public owned properties and vertical assets that could be included as part of a network expansion/deployment?
- Response No. 1: Yes. However, the City has very few vertical assets. Most are owned by 3rd party Telcom. Lee County Electric Coop is the island’s electrical provider and therefore they have significant vertical assets.
- Question No. 2: What is the expected timeline for project completion?
- Response No. 2: We expect to award the contract to the selected firm by June 2025. The actual timeline of the project will be developed with the selected form, but we anticipate that being approximately 18 months. Longer can be considered.
- Question No. 3: Has the City executed any Public-Private Partnerships in the past?
- Response No. 3: Yes, but not any enterprise or technology partnerships.
- Question No. 4: Does the City have a list of community groups that are focused on “broadband access for all” initiatives?
- Response No. 4: No, but there are community organizations that are typically interested in City initiatives such as this would be. That list would be developed as part of the actual work with the selected firm, or they would simply be folded into the public outreach and forums.

Question No. 5: Will the analysis and engagement be limited to fiber and other wireline technologies, or are wireless technologies also to be considered?

Response No. 5: There is no restriction on the technology to be used. We are expecting this study to make those kinds of determinations.

Question No. 6: Has a budget been established for this project, and if so, at what amount?

Question No. 6: Yes, there is a budget of \$252,000.00

A. ACKNOWLEDGEMENT OF ADDENDA

- a. The Bidder shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of bid.
- b. All other terms, conditions and specifications of RFP-25-IT001-0-2025/BS remain the same.
- c. Receipt acknowledged by:

Edward F Martella

4/24/2025

Authorized Signature & Date Signed

Edward F. Martella

Title

Tectonic Engineering and Surveying Consultants, P.C.

Name of Firm

REFERENCES
REFERENCE INFORMATION MUST BE COMPLETED AND RETURNED WITH PROPOSAL
Please use this form or a reasonable facsimile.

PROVIDE AT LEAST THREE REFERENCES FOR WHOM YOUR COMPANY HAS PROVIDED SAME OR SIMILAR SERVICES WITHIN THE LAST 8 YEARS.

COMPANY NAME: Southern California Association of Governments

ADDRESS: 900 Wilshire Boulevard, Suite 1700, Los Angeles, CA 90017

TELEPHONE: 213-236-1819

CONTACT PERSON: Mr. Roland OK

COMPANY NAME: Capital District Regional Planning Commission

ADDRESS: One Park Place, Suite 102, Albany, NY 12205

TELEPHONE: 518-453-0850 ext. 22

CONTACT PERSON: Mr. Mark Castiglione

COMPANY NAME: Broadlinc Broadband

ADDRESS: 150 Progress Way, Owenton, KY 40359

TELEPHONE: 502-779-0484

CONTACT PERSON: Mr. TJ Scott

REFERENCES

REFERENCE INFORMATION MUST BE COMPLETED AND RETURNED WITH PROPOSAL

Please use this form or a reasonable facsimile.

PROVIDE AT LEAST THREE REFERENCES FOR WHOM YOUR COMPANY HAS PROVIDED SAME OR SIMILAR SERVICES WITHIN THE LAST 8 YEARS.

COMPANY NAME: Salem County, NJ

ADDRESS: 110 Fifth Street, Salem, NJ 08079

TELEPHONE: (856) 935-7510 (X8651)

CONTACT PERSON: Jeff T. Ridgway, Jr, Admin/ Purchasing Agent of Salem County

COMPANY NAME: Subconsultant for Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. for Lake Champlain - Lake George Regional Planning

ADDRESS: 70 Pleasant Hill Road, Mountainville, NY 10953

TELEPHONE: (804) 334-0896

CONTACT PERSON: Ed Martella, Vice President – Professional Services Nationwide

COMPANY NAME: Subconsultant for Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. for Capital District Regional Planning Commission

ADDRESS: 70 Pleasant Hill Road, Mountainville, NY 10953

TELEPHONE: (804) 334-0896

CONTACT PERSON: Ed Martella, Vice President – Professional Services Nationwide



2147 ROUTE 27 | SUITE 102 | EDISON, NJ 08817
5 CHESTNUT STREET | SOMERS POINT, NJ 08244
740 SPRINGDALE DRIVE | SUITE 160 | EXTON, PA 19341

ph 800.930.4307

vcomm-eng.com

April 21, 2025

Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C.
70 Pleasant Hill Road
Mountainville, NY 10953

Re: RFP Broadband Feasibility Study Consultant Services RFP25-IT001 for City of Sanibel, Florida

V-COMM, L.L.C is pleased to submit this LOI to be subconsultants to Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. for the RFP Broadband Feasibility Study Consultant Services RFP25-IT001 for City of Sanibel, Florida

Dominic Villecco, V-COMM's President, will serve as the primary person responsible for answering any questions that may arise from the review of this proposal. Mr. Villecco is available at your convenience to answer any of your questions regarding this project. He can be contacted at the New Jersey office at the address provided below, by phone at (609) 655-1200 x 322, or by e-mail at dominic.villecco@vcomm-eng.com.

Sincerely,

A handwritten signature in black ink that reads "Dominic C. Villecco". The signature is written in a cursive style.

Dominic C. Villecco
President
V-COMM, L.L.C.
5 Chestnut Street
Somers Point, NJ 08244

City of Sanibel
800 Dunlop Road
Sanibel, Florida 33957
Attn: Bert Smith, IT Director

April 24, 2025

**RE: RFP# 25-IT001 Broadband Feasibility Study Consultant Services
Tectonic PN# 25-0388
Submittal Letter**

Dear Mr. Smith,

Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C., Inc. (Tectonic) is pleased to provide our proposal to the City of Sanibel (City) for Broadband Feasibility Study Services. For over 39 years, Tectonic has provided professional engineering and project management services for Telecommunication, Wireless and Broadband projects nationwide, including the State of Florida. Our Team has experience managing the deployment of fiber and wireless projects and will provide the City with all requested broadband feasibility services.

Tectonic offers a full spectrum of professional broadband services, including RF and Fiber Design, permitting, planning and zoning, and regulatory services to match our client's growing needs. Established in 1986, Tectonic has grown to become a multi-disciplined professional firm with a staff of approximately 500 professionals. The depth of our experience combined with the multi-faceted capabilities of our staff presents a company that is highly qualified to accomplish projects from inception to completion. Engineering News Record (ENR) has repeatedly listed Tectonic among its best firms nationally, consistently ranking in ENR's Top 500 Design Firms, as well as ENR's Top Firms providing Telecommunications Services.

Tectonic will be providing services from our Regional Office located in Brandon, FL with assistance from our telecommunication network. We will also be assisted by our subconsultant, V-COMM, LLC for this project. Tectonic is a licensed Professional Engineering and Services firm in the State of Florida and registered with www.SAM.gov.

Should you have any questions, please do not hesitate to contact me at your convenience at 804-334-0896 or at efmartella@tectonicengineering.com. Additionally, I am authorized to commit our Team to all obligations under this agreement. Thank you for the opportunity to assist the City with this important project.

Sincerely,

Tectonic

Edward F. Martella

Edward F. Martella, PE
Vice President - Professional Services Nationwide

Project Contact Info

407 Lithia Pinecrest Road | Brandon, FL 33511
(813) 374-9177 Tel

tectonicengineering.com
Equal Opportunity Employer

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2.0 QUALIFICATIONS AND EXPERIENCE OF STAFF

The Tectonic Team is currently available and ready to support the City of Sanibel with this project. There are numerous tasks and subtasks that need to be addressed and our Team is properly staffed - both in number and qualifications - to handle all aspects of this Broadband Feasibility Study.

For this project, the services provided by the Tectonic Team will consist of the following:

Tectonic: Prime Firm providing overall Project Management; Broadband and Network Plan Development and Proposed Network Deployment including Regulatory, Planning and Research of Existing Fixed Wire, ISP and Wireless Resources; Advanced Outreach Coordination and Meeting Attendance with Prospective Stakeholders/ Subgrantees (ISPs, WISPS and Wireless); Coordination and Preparation of all Deliverables for Review and Approval of the City.

V-COMM: Providing Fixed Wire / Wireless Review and Feasibility Planning; Make Ready Engineering Outlines, Identification and Strategies for Potential Network Expansion throughout the City; and Meeting Attendance.

2.1 Profile of Team Staff

Donald A. Benvie, P.E., P.G., Chief Executive Officer, Tectonic - As Chief Executive Officer, responsible for strategic planning initiatives, overseeing the development of tactical growth plans, restructuring and realigning the company along client sectors, corporate management of accounting and marketing staffs, budgeting, determination of staffing needs, business development, client liaison and coordination of home office support with regional offices. Principal-in-Charge for all corporate and administrative activities relative to telecommunications, transportation, and public works agencies including client contact, business development, project management, construction management and support services and quality assurance oversight. Technical responsibilities include oversight and independent peer review of heavy civil and infrastructure projects involving site development, roadways and bridges, pile and caisson foundations, embankment construction, sheeting and shoring, development of geotechnical design criteria, design of

support of excavation (SOE) systems, rock blasting and tunneling utilizing tunnel boring machines (TBM), micro tunneling and conventional drill and blast.

Edward F. Frawley, Executive Vice President Project Deployment - Nationwide, Tectonic

As Executive Vice President of Deployment, he is responsible for oversight of site development planning and zoning services, civil engineering, geotechnical, survey, and visual services for all projects nationwide. Responsibilities involve day-to-day operations, marketing, budgeting, hiring of employees, profit and loss reporting, client interaction, project process and procedures and quality control.

Antonio A. Gualtieri, P.E., Executive Vice President, Engineering Services - Nationwide, Tectonic

is responsible for the management, leadership, focus and direction of the project staff to be able to deliver practical solutions and exceptional service to the City. Mr. Gualtieri is responsible for overall management of the Corporate Telecommunications Division, the Corporate Structural Division and holds overall technical responsibility for the Corporate Facilities group. Additionally, Mr. Gualtieri is the Corporate Market Sector Director for the energy market sector and oversees large solar development.

Edward F. Martella, P.E., Vice President of Professional Services - Project Director, Tectonic

As Vice President, is responsible for technical direction and coordination of site development, research, engineering and project management for Broadband, Telecommunication, Data Center and Utility projects within all regions including Quality Control and Quality Assurance. He is a Florida licensed Professional Engineer responsible for overall engineering and project management including development of telecommunication sites and civil design standards, technical production and review of documents. Mr. Martella has extensive experience with designing and construction of telecommunication sites including inspections and analysis in twenty-four states, including Florida.

Robert C. Van Auken, P.M.P., Project Manager, Tectonic - Responsible for execution of broadband project initiatives and leading project teams. This includes training and supervising staff and contractors, ensuring completion of projects on time and within budget, serving as client representative, and project planning and development.

Gary Ferrara, Assistant Project Manager, Tectonic - Mr. Ferrara is an accomplished professional with over thirty-five years of experience working with jurisdictions, utilities, telecommunications, building, planning and zoning laws. He is a diversified administrator with hands-on knowledge of all aspects of operating an efficient department and directing employees. He has a proven ability in developing and establishing relationships with clients, government agencies and private industries. Mr. Ferrara has successfully managed dozens of medium and large-scale broadband projects including past projects. His knowledge of regulatory permitting and internal processes, procedures, departments and client contracts are essential in running and completing a successful project.

Christopher Burke, Ph.D., P.E., P.M.P., Vice President of Geotechnical Services, Tectonic - Mr. Burke manages and provides technical guidance for the geotechnical group, including all supporting staff, and the oversight of it's day-to-day operations. His geotechnical engineering experience includes management of site investigations incorporating soil and rock borings, borehole image processing, test pits, piezocone testing, piezometers, monitoring wells, inclinometer installation and monitoring, and rock structure/ geologic mapping, as well as engineering evaluations and geotechnical report preparation. Additional responsibilities include engineering evaluations and geotechnical report preparation for the design and construction of buildings, roads, earth dams, telecommunications projects, and utilities.

Mark Privette, P.E., Managing Director - Engineering, Tectonic - As Managing Director of Engineering in the Florida and South California markets, based out of our Tampa office since 2013, Mr. Privette oversees CAD and engineering staff who perform services on various sites throughout Florida and South California. Mr. Privette has served to provide significant design services to a wide variety of building and other land development projects. His experience encompasses a broad range of market sectors including residential, commercial, industrial, municipal, educational, agricultural, and religious facilities. He has participated in field investigations and evaluations of existing structures, prepared hydraulic/hydrologic studies, technical memos and reports, electrical and RF designs, and construction administration. Mr. Privette had his own engineering and surveying consulting firm for over 20 years and brings a substantial amount of that experience to his current position. He has prepared details and construction documents for a wide variety of Telecommunications, Land Development and Infrastructure repair, rehabilitation, alteration, replacement, and new construction projects

Theodore J. Haines, P.L.S., Senior Vice President - Survey, Tectonic - As Senior Vice President/Manager of Survey, responsibilities include Quality Control, supervision of office and field personnel in preparation of Boundary and Topographic surveys, Construction Layout, Control Surveying (including G.P.S.), client contact, Proposals and Cost Estimation, and scheduling of field and office personnel. Mr. Haines is a Licensed Professional Surveyor in New York.

Dominick Santini, P.L.S., Senior Surveyor, Tectonic - His responsibilities include quality control, supervision and scheduling of office and field personnel, client contact, project management and also assist in preparation of proposals, and cost estimates. Additional responsibilities include analysis and computations of field and legal data for the preparation of boundary surveys, reduction of GPS data, control network analysis and performance of more advanced computations.

Larry Allen Rolison, Site Acquisition Specialist, Tectonic - Responsible for assisting with site acquisition initiatives. This includes lease review, design review, lease package submittal, and lease audit review. Mr. Rolison is also a supervisor for ground truthing services requiring evidence of availability of fiber for neighborhoods and individual facilities.

Kelly Smith, Permitting Coordinator, Tectonic - Responsibilities include database management, issuing and documenting purchase orders, processing invoices, setting up new opportunities and project folders, supporting marketing initiatives, and fulfilling business development directives.

Dominic Villecco, President and Founder of V-COMM, L.L.C - Dominic Villecco has more than 35 years' experience in the telecommunications industry, 27 of which he has led V-COMM through its continued success. He is qualified as an expert witness in telecommunications engineering and testified in federal court on behalf of the FCC and US Department of Justice in two high-profile cases. Prior to founding V-COMM, he led all engineering efforts for Comcast Cellular Communications, Inc. and Comcast International Holdings as Vice President of Engineering. He also helped design the first regional cellular network in the United States, with proprietary automatic call delivery among independent carriers. Mr. Villecco was previously named Vice Chairman of the Council of Advisors for Drexel University's Electrical and Computer Engineering Department, and Chairman of the

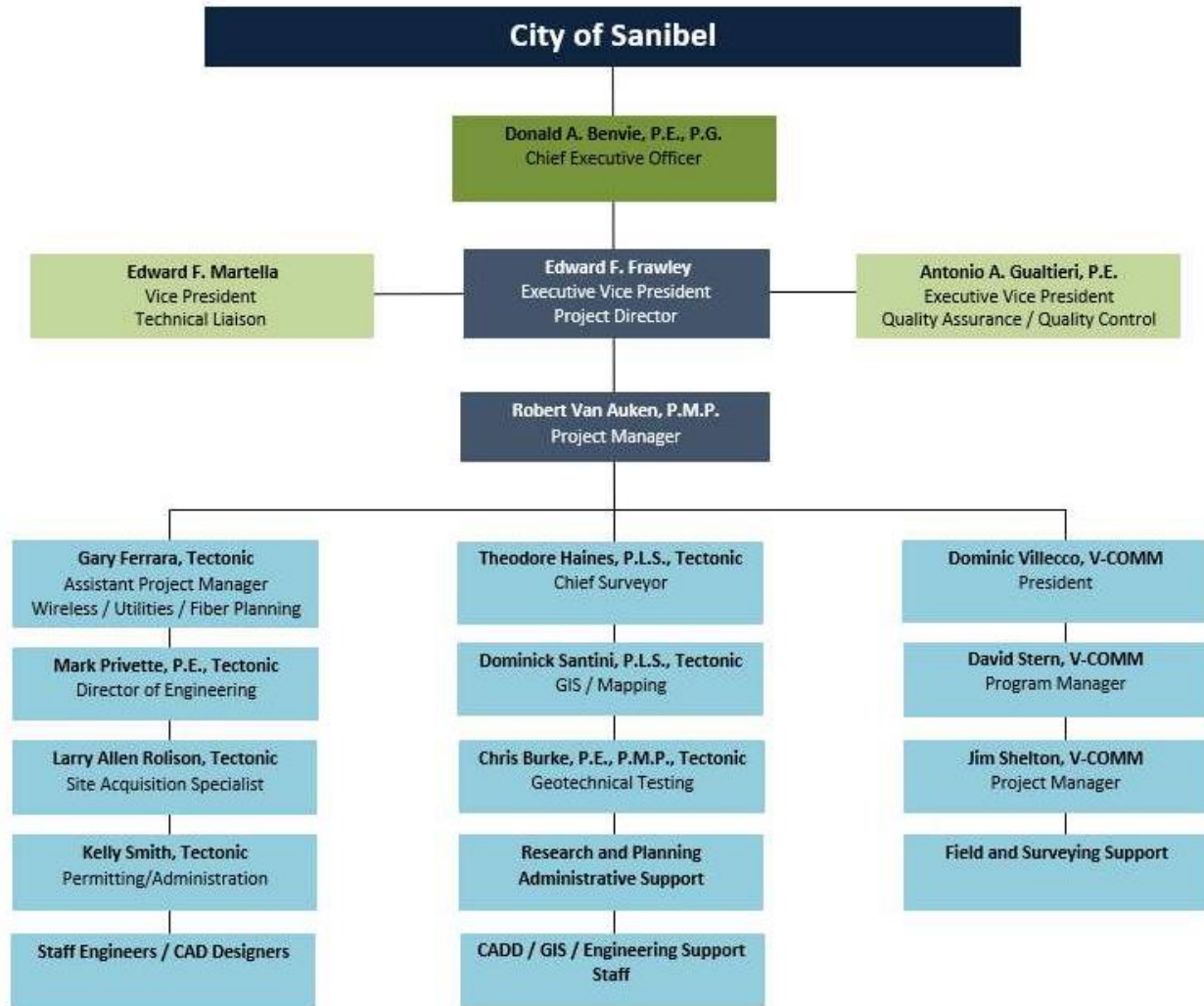
Technical Subcommittee for APCO Region 28 and its 700MHz initiatives. In 2001, he received the Distinguished Alumnus Award from Drexel's Engineering and Computer Engineering Department for his continued success. Mr. Villecco is now the President of the Council of Trustees for the New Jersey Wireless Association and serves as its Public Safety Committee Chair.

David Stern, Vice President and Co-founder of **V-COMM**, L.L.C - With more than 35 years in telecom engineering, David Stern is an expert in all wireless transmission formats and data technologies, including: 5G NR, P25, CDMA, GSM, LTE, and UMTS. As a member of V-COMM, Mr. Stern was a key driver in the launch of the first PCS network in New York City and directed the network redesign of several top ten markets, increasing overall network capacity by 150 percent. In addition, Mr. Stern developed interference software to minimize separation between tenants for leading tower company.

James Shelton, Director RF Engineering, V-COMM, L.L.C - Jim has been with V-COMM for 20+ years and is an expert in public safety and cellular system planning and deployment. He has been an instrumental part of V-COMM's public safety radio designs with counties and state agencies. Mr. Shelton has over 26 years of experience in wireless engineering. He has extensive experience in wireless system design, implementation, testing and optimization for wireless systems utilizing APCO 16, APCO 25, EDACS™, SMARTNET™, 5G NR, LTE, OFDM, CDMA, EVDO, TDMA, GSM, and AMPS wireless technologies.

2.2 Organizational Chart

Tectonic Organizational Chart for City of Sanibel Broadband Feasibility Study



3.0 EXPERIENCE OF THE FIRM

3.1 Company Overview

Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C., Inc. is a multi-disciplined engineering firm comprised of civil, structural, environmental and geotechnical engineers, geologists, scientists, surveyors, planners, construction managers and construction inspectors. Founded in 1986 with headquarters based in Mountainville, NY, Tectonic has grown to establish 15 office locations across the U.S. serving various markets. Over the course of 39 years, the firm has earned a reputation for providing solutions that are smart and practical, sensitive to budget and schedule, and that look toward the future.

Tectonic has provided Strategic Planning and Implementation Services, RF Broadband Design, Site Acquisition, A/E Design, Regulatory Oversight and Construction Management for over 200,000 Telecommunication and Broadband Sites Nationwide, including Florida. Our Team has previously provided these broadband feasibility studies services for counties, municipal and public sector clients. Similia services were provided for numerous wireless and broadband clientele - many with telecommunication sites located in Florida and surrounding states.

Similar to the City's request, in past years, our Team has provided strategic planning services leading to the development of regionally approved strategies for broadband and wireless site selection and network deployment plans.

With approximately 500 employees, our professional staff is comprised of Fiber and RF designers, permitting and zoning specialists, planners, site acquisition specialists; land surveyors; civil, structural, electrical and engineering geologists. This staff utilizes state-of-the-art resources and methodologies for all projects such as the Team's extensive GIS and CAD/computer facilities, and field-testing equipment.

REGIONAL PROJECT OFFICE IN BRANDON, FL

Address: 407 Lithia Pinecrest Road, Brandon, FL 33511

Phone: (813) 374-9177

Tectonic Has Been Providing Professional Engineering And Project Management Services For State, County, Municipal And Public Works Clients Since 1990.

Highlights:

- ▶ One of the top 200 firms on Engineering News-Record's Top 500 Design firms and Top 25 firms in Telecommunications since 2001;
- ▶ Extensive experience managing and leading telecommunications and broadband projects;
- ▶ Proven track record of providing practical solutions and exceptional service to local/state municipalities and agencies;
- ▶ Recipient of numerous Engineering Excellence Awards from the American Council of Engineering Companies.

3.2 Project Experience

TECTONIC

Tectonic has provided permitting, planning/ zoning, site acquisition and engineering design services including overall project management, for numerous telecommunication and broadband projects, for both private and public sector clients. Many of these projects have resulted in long-term relationships at a national level. All Tectonic Staff listed in Section 3.1 have participated on many of these projects.

Although we have many more projects that can be listed here, the following summarizes our representative projects for the objectives and needs of City Services:

Project Name: Broadband Planning, GIS and On-Call Engineering Services
Location: Upstate New York Region (Five Counties)
Client: Lake Champlain-Lake George Regional Planning Board
Date: 2023-Present

Tectonic was recently awarded an On-Call Broadband Services Contract to provide On-Call Broadband Engineering services for the Regional Planning Board that oversees Internet Service in five of



LAKE CHAMPLAIN-LAKE GEORGE
**REGIONAL
PLANNING**

the UPNY Counties including Clinton, Essex, Hamilton, Warren and Washington. Services include Field Surveys and Ground Truthing of existing fiber conditions, Broadband Feasibility Analysis, OSP Design of Fiber and Cellular Network Expansions, Workforce Development, FCC Map Challenges and other requested services as needed.

Project Name: Broadband Development Streamlining Services
Location: California
Client: Southern California Association of Governments/ San Diego Association of Governments
Date: Present to 2024

Tectonic is providing a Broadband Permit Streamlining Report and Model Policy that is meeting the requirements for expediting all site development for rural broadband work within SCAG / SANDAG markets. The Southern California Associations of Governments encompass six diverse Counties including Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura. Each has its own unique elements and challenges. Our focus is to identify the common areas of complication and complexity for fiber, wireless and wireline broadband deployment. As part of this effort Tectonic conducted dozens of interviews with ISP's, WISP's Wireless Carriers. An example of our interview and outreach process and reporting as follows:



Broadband Streamlining Interview - #D002

Jurisdiction: City of Bell Gardens
 Date: 5/16/2023
 Attendees:
 City of Bell: [Redacted] - City Planner
 [Redacted] - Associate Planner
 Tectonic: Ed Martella
 Gary Ferrara
 Emanuel Higgins
 Greg Simon
 Jennifer Crowell
 Kelly Smith

1. Gary started the interview by introducing the Tectonic team and giving a brief overview of what we are doing with SCAG/SANDAG and developing the model broadband permit streamlining policy and ordinance.
2. Gary said that we want to not about their permitting process for broadband, from beginning to end. Steven said from a land use and zoning standpoint, it's just them processing and routing to the different sections or agencies and departments within the city for antennas. That's the only provision they have for wireless facilities, it's all incorporated into sort of antiquated language for uses. It would be a conditional use permit in industrial and commercial zones. For those that are existing that need an upgrade or modification they do have an expedited plan review and go from there. If they are installing new broadband, it's usually incorporated into a project that's already going on, like new construction. He said it's rare, so they don't really do it.
3. Gary asked if broadband isn't part of the utilities on new construction do they point it out. Steven said he would probably mention it but in terms of level of service they don't traditionally try to influence them, but they try to be accommodating and expedite the process.
4. Steven said they have a grant to promote the Affordable Connectivity Program for the FCC. They are working out how to expand that money and make sure that they are notifying the community of the availability.
5. Gary asked if there is a disturbance within the right-of-way, a road cut for connectivity or to install new fibers would that process go through Planning or some other department. Steven said it would probably go through Planning first for an encroachment permit, but it just depends on the scope of the upgrade. They are typically seeing any broadband or elevated technology unless it's new construction. He said it comes with entitlements and all they need from a public works standpoint is the encroachment permit that they expedite. He said that because they are a small city, they've been able to expedite projects in as little as two weeks which includes going to the Planning Commission.
6. Steven said having a broadband process with work with what they are doing in terms of the Affordable Connectivity Program and making sure the digital divide is lessened. He did say it would come with a price in that they want to have investment from the City Council and avoid the perception that there are leaving folks behind in doing this because there's been an aversion

Permit Streamlining Interview #D002
 5/16/23
 Page | 1

Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

Project Name: Capital Region Broadband Feasibility Planning
Location: Upstate New York Region
Client: Capital District Regional Planning Commission
Date: 2024

Tectonic has just been awarded a Master Services Contract to complete or assist in the completion of broadband planning including state challenges for the Regional Planning Commission that oversees Internet in UPNY Counties including Albany, Rensselaer, Saratoga Schenectady, Greene and Columbia Counties. Services include assisting the Region with State Map Challenges and developing Broadband plans for the Counties.



Project Name: Cumberland-Salem County - Broadband PM
Location: Cumberland and Salem Counties, NJ
Client: County of Cumberland and County of Salem, NJ
Date: 2023 to Present

Tectonic was retained to provide engineering advisory services for a 220-mile planned Middle Mile Fiber Network throughout Cumberland and Salem Counties in Southern New Jersey. Services included a Broadband Feasibility Assessment, Route Summary Review, Review of CATEX exclusions, Project Design Support and assistance with Last Mile Services to unserved and underserved areas of the Counties.

Project Name: Franklin County On-Call Broadband Services
Location: Franklin County, NY
Client: County of Franklin, NY
Date: 2023



Tectonic provided on-call broadband services for Franklin County which involved developing and implementing a Broadband Deployment Plan with a focus on Macro New Site Builds for Fixed Wireless, Fiber Deployment, Macro Modifications, and Small Cell Densification.

Project Name: Verizon Wireless
Location: Nationwide including Florida
Client: Verizon Wireless.
Date: 1990 to Present

Tectonic has been continuously working with Verizon Wireless (VZW) and the parent companies since the Bell Atlantic era (1990). Since that time, Tectonic has completed site acquisition, engineering, and/or program management on over 100,000+ sites. Tectonic has also assisted Verizon in modifications to existing sites including antenna and equipment swap-outs, generator upgrades and HVAC upgrades. Tectonic has a national contract to provide engineering design, site acquisition, real estate services and construction management including numerous sites within New York State.

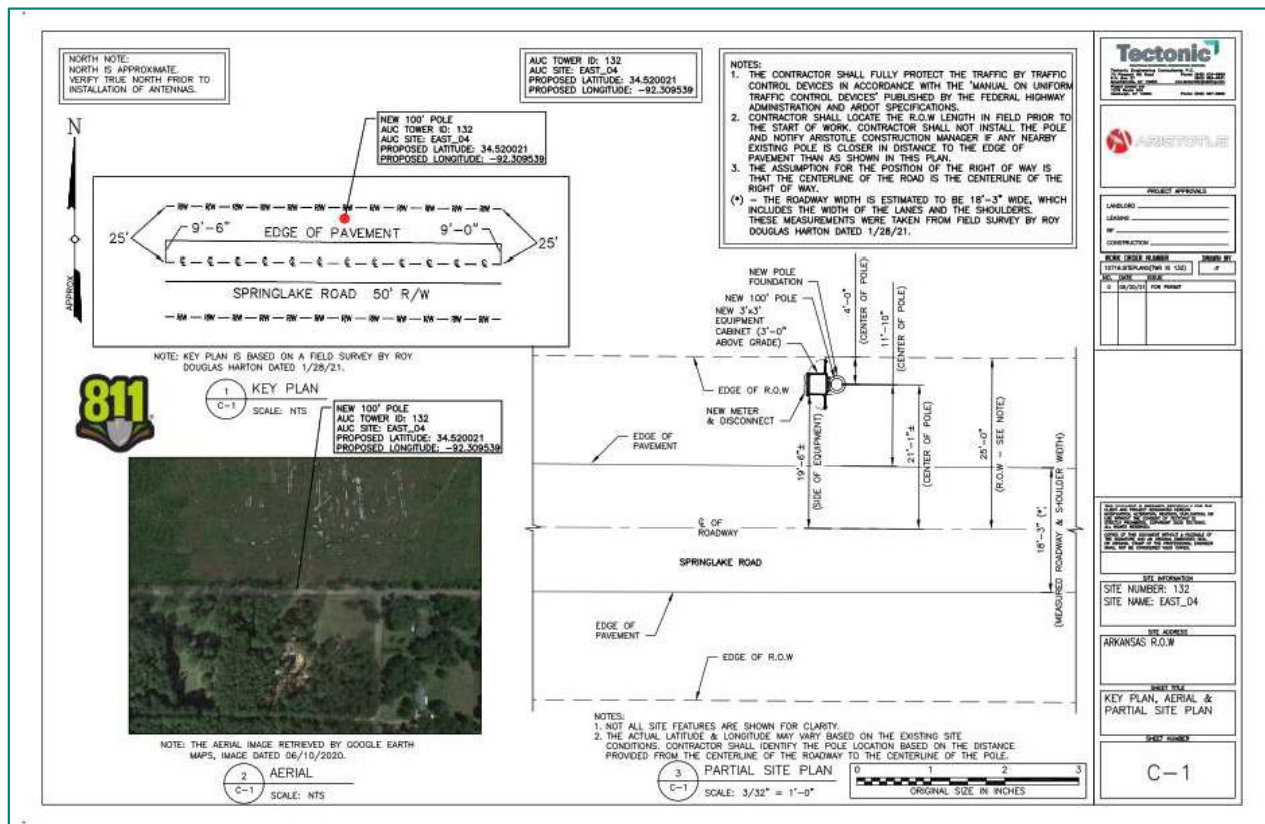


In addition, Tectonic is performing site identification, leasing, structural and tower analysis expert/forensic evaluations, geotechnical engineering, photo simulations and view shed analysis, zoning board presentations and permitting, as well as zoning and construction drawing preparation. Tectonic is currently working on multiple projects for VZW including LTE/AWS/New Builds/Small Cells/EME/Generators/PCS/Hazard Mitigation.

Project Name: Broadband Expansion in the State of Arkansas
Location: Arkansas
Client: Aristotle Unified Communications
Date: 2019 to Present



Tectonic is providing statewide services for Aristotle for development of CBRS sites across Arkansas. For 150 new site builds, Tectonic currently provides full Site Acquisition services including Due Diligence, Leasing and Regulatory Permitting; as well as Engineering, Geotechnical and Environmental Compliance Design Services.



Project Name: Broadband Expansion in the State of Kentucky
Location: Kentucky
Client: Broadline
Date: 2021 to Present



Tectonic is currently providing Comprehensive Project Management and Professional Services To Broadline in support of their CBRS (Citizens Broadband Radio Services) Buildout within the State of Kentucky. Broadline owns and operates broadband cable and fixed wireless networks throughout Kentucky. Broadline recently retained Tectonic to support Broadline's efforts with their CBRS site expansion of their existing network in nineteen Kentucky counties:

- Providing Permitting, Leasing, Engineering and Project Management Services;
- Assisting with Deployment of Colocation Sites, Right Of Way and New Tower Builds and Modifications.

We developed a process to identify proposed sites including fiber expansion:

11340 WO#	Phase	Site Name	Lat	Long	county	state	Height	structure name
56		CLINKY001	36.79257	-85.0465	CLINTON	KY		160 New Site_ Clinton County
57	1A	LINCKY001	37.28602	-84.6635	LINCOLN	KY		236 371518 - Eubank
58	1B	PULAKY002	37.13806	-84.5356	PULASKI	KY		160 371517 - Big Knob KY
59	1B	PULAKY004	37.24666	-84.4413	PULASKI	KY		180 371530 - Walnut Grove KY
60	1A	PULAKY003	37.07844	-84.8103	PULASKI	KY		160 371525 - Nancy
61	1C	PULAKY009	37.01616	-84.6728	PULASKI	KY		160 Pulaski Greenfield Tower 3
62	1A	PULAKY014	37.19482	-84.6385	PULASKI	KY		243 371487 - Science Hill
63		PULAKY?	36.96623	-84.80262	PULASKI	KY		160 "SOUTH NANCY GREENFIELD pop"
64	1B	ROCAKY001	37.28917	-84.2644	ROCKCAS	KY		160 371527 - Sand Hill KY
65		WAYNKY009	36.83009	-84.9906	WAYNE	KY		160 New Site_1
66	1A	CASEKY001	37.20441	-84.8203	CASEY	KY		111 371566 - Liberty KY
67	1B	PULAKY005	37.06751	-84.3769	PULASKI	KY		306 375796 - DANIEL BOONE KY
68	1C	PULAKY001	37.15736	-84.3929	PULASKI	KY		234 371483 - BRUSHY RIDGE KY
69	1C	PULAKY011	36.96112	-84.5685	PULASKI	KY		275 US-KY-5010 SOM-005-FM
70	1A	PULAKY012	37.07753	-84.6772	PULASKI	KY		180 US-KY-5011 SOM-006-FM
71	1C	PULAKY013	37.1175	-84.6117	PULASKI	KY		160 US-KY-8008 SOM-004-AM-FM
		PULAKY008	37.04462	-84.6288	PULASKI	KY		160 Pulaski Greenfield Tower 2
		PULAKY007	37.09051	-84.6107	PULASKI	KY		160 Pulaski Greenfield Tower 1
72	1B	ROCAKY002	37.3345	-84.4292	ROCKCAS	KY		180 811405 - TW - MT VERNON RAD RPTR 52136
		RUSKY002	36.97068	-85.0158	RUSSELL	KY		160 New Tower- Russell County 2
		RUSKY001	37.07404	-84.9457	RUSSELL	KY		160 New Tower- Russell County 1
		RUSKY003	37.02521	-84.9708	RUSSELL	KY		160 New Tower- Russell County 3
73	XXX	PULAKY006	37.16697	-84.7077	PULASKI	KY		120 NEW TOWER_PULASKI COUNTY 1
	1C	PULAKY006 NEW	37.00759	-84.8484	PULASKI	KY		100 Fire Tower Rd tower greenfield

Project Name: Tower Development for New and Existing Telecommunication Sites

Location: Nationwide including Florida

Client: Crown Castle Inc.

Date: 2000 - Present

As a major Build To Suit Tower Owner/ Management Company, Crown Castle builds towers for all Wireless Carriers. Tectonic has supplied Engineering Design, Structural Analysis, Surveying and Environmental Support Services for over 7,500 Tower New Site Build and Co-locate Sites. Tectonic has also provided Civil Engineering, Tower Inspections/ Structural, Environmental & Geotechnical Services related to Crown Castle Asset Management.



Project Name: Omnipoint / T-Mobile

Location: Nationwide including Florida

Client: T-Mobile

Date: 1997 to Present

Tectonic was first retained in 1997 by OmniPoint (Predecessor to T-Mobile) to provide site acquisition and engineering services throughout the several key markets, and for the exclusive development of towers along the State Thruways. Tectonic provided site identification, leasing, zoning, structural and geotechnical engineering, environmental studies, view shed analysis, photo simulations and project coordination. In addition, Tectonic has been continuously working with T-Mobile providing an expanded effort of Site Acquisition, Zoning and Visual services, surveying, tower inspections / structural analysis, environmental studies and full service engineering for sites located in numerous states including Florida.

A copy of Tectonic's Telecommunications State of Qualifications with detailed experience and background is available under separate cover at www.tectonicengineering.com/teleco.



3.3 References

Mr. Roland OK, SCAG Project Manager
Southern California Association of Governments
900 Wilshire Boulevard, Suite 1700
Los Angeles, CA 90017
Email: ok@scag.ca.gov
Tel: (213) 236-1819

Mr. Mark Castiglione, Executive Director
Capital District Regional Planning Commission
One Park Place, Suite 102
Albany, NY 12205
Tel: (518) 453-0850 ext. 22
Email: mark@cdrpc.org

Mr. Gene Fassett, (now a former UPNY Director for Verizon Wireless and US Cellular)
Email: genefass@eznet.net.
Cell: (585) 329-7500

Mr. TJ Scott, Vice President of Development
Broadlinc Broadband
Cell: (502) 779-0484
Email: tscott@broadlinc.com
www.broadlinc.com

V-COMM LLC

PROJECT: Broadband Data Collection (BDC) and Planning for Current BEAD Process including FCC and BSL Challenges
LOCATION: Various Locale Around US
CLIENT: Tectonic Engineering Consultants
DATES: 2022 - Present

V-COMM was retained by Tectonic Engineering to assist with the development of BSL Research for Broadband Planning for various clients around the US. V-COMM has had a long-standing relationship with Tectonic and the two firms have jointly worked on wireless projects throughout the relationship, dating back to 2010. V-COMM assisted in developing fabric analyses and other requirements including challenges under the FCC BDC program. All filings were reviewed and submitted by Tectonic on behalf of their various clients.

PROJECT: Developed 5G Wireless Broadband Small Cell Master Plan, assisted in Developing and Managing the Cell Tower at The Borough of Avalon Police Department/ Hall
LOCATION: Avalon, New Jersey
CLIENT: Borough of Avalon
DATES: 2007 - Present

V-COMM developed a comprehensive 5G small cell plan to allow broadband wireless connections for multiple carriers throughout town. Further, V-COMM assisted in the development of a Small Cell Ordinance to help perpetuate this wireless broadband plan. Throughout the relationship with the town, V-COMM has assisted in developing and management of cell tower leases on the town's two water tanks. V-COMM has also developed leasing requirements to allow cell carriers leasing opportunities on the municipally owned radio tower located at the Police Department/Borough Hall.

PROJECT: 5G Broadband Business Plan and Network Design
LOCATION: Fayetteville, Arkansas
CLIENT: Townes Telecom
DATES: 2019 - Present

V-COMM was retained by Townes Telecommunications in 2019 to develop a 5G Broadband Business Plan and network design. Upon successful completion of the business plan, V-COMM developed a network design and implementation plan and subsequently began contractual discussions with broadband infrastructure manufacturers to secure agreements to implement the planned wireless broadband network. This project is ongoing with the first broadband service expected offering to local residents in late Q4 2022. This service is an expansion of Townes' current broadband offerings and will substantially expand Townes' broadband footprint.

PROJECT: Salem County, NJ - Middle Mile Broadband Project
LOCATION: Salem County, New Jersey
CLIENT: Salem County, New Jersey
DATES: 2022 - Present

V-COMM was recently engaged by Salem County, NJ to assist with the design and documentation of a Middle Mile Broadband network to provide access to last mile services for enabling of broadband connectivity throughout the county, and specifically to assist with unserved and underserved areas within the county. County institutions and agency buildings will also receive broadband services based upon the middle mile design and deployment. Salem County, NJ has recently joined forces with neighboring Cumberland County, NJ and will be filing a joint application in the upcoming NTIA Middle Mile Grant Program to help with the funding of this project. V-COMM is assisting with the grant application process for the combined county project.

PROJECT: Cell Tower Leasing and Public Safety Radio Upgrade
CLIENT: The Township of Cherry Hill
LOCATION: Cherry Hill, New Jersey

The Township of Cherry Hill, NJ contracted V-COMM to develop specifications and master tower lease documents to maximize rental opportunities while co-locating carriers with its public safety communications systems on a large multi carrier communications tower. V-COMM assisted with leasing issues and recommendations as well as carrier coordination.

V-COMM developed interference mitigation requirements to ensure harmonious co-existence on the Township's tower. V-COMM is currently engaged with the Township to manage the installation of these wireless carriers to ensure compliance with specifications and interference free operation.

V-COMM was also contracted to develop various options for migration from the CHPD EDACS system to a new P-25 Phase 2 - 700/800 MHz system. The engagement included assessment, recommendations, system design and implementation. V-COMM assisted the Township on this project which was fully operational by 01- 2019.

PROJECT: Cell Tower Leasing
CLIENT: Borough of Avalon, New Jersey
LOCATION: Borough of Avalon, New Jersey

V-COMM has assisted in developing and management of cell tower leases on the Borough's two water tanks since 2007. V-COMM has also developed leasing requirements to allow cell carriers leasing opportunities on the municipally owned radio tower located at the Police Department/Borough Hall.

PROJECT: Cell Carrier Leasing/Coordination - Borough Owned Monopole and Proposed Sewer Department Monopole Location

CLIENT: Borough of Palmyra

LOCATION: Palmyra, New Jersey

V-COMM has supported the Borough's efforts to improve wireless service throughout the Borough while also providing a revenue stream for the Borough. Projects included lease reconciliation and discussions with Borough officials and wireless companies regarding structure ownership, capabilities and availability, on the municipally owned monopole located behind Borough Hall at 20 West Broad Street. Additionally, V-COMM assisted with the analysis and recommendations of a proposed new monopole location at the Borough's sewer plant location on Firth Lane.

PROJECT: LTE Broadband Network, Frequency Planning for 700/800 MHz PSIC P25 Phase 2 System, Comprehensive Public Safety Tower Planning

LOCATION: State of New Jersey

CLIENT: State of New Jersey - Office of Information Technology

DATES: 2012 - Present

LTE Broadband Network

V-COMM was engaged by the State of New Jersey Office of Information Technology (NJOIT) to provide engineering and consultative direction in the development of technical specifications to ensure compliance with State and Federal regulations regarding LTE, and 3GPP standards, prior to FirstNet. V-COMM extended telecommunications consultative support as required for the development of a comprehensive understanding and actionable plan for NJOIT regarding 3GPP/LTE standards. This project was accomplished in phases, culminating with the issuance by NJOIT of an RFP for the purpose of securing vendors for its 700 MHz LTE broadband network.

700/800 MHz PSIC P25 Phase 2 System Frequency Planning

V-COMM has performed statewide 700 MHz frequency planning and coordination through a sub-contract arrangement. Activities included coordination with neighboring states, interference analysis and development of the State's 700 MHz frequency plan. V-COMM also prepared county-based frequency acquisition services and coordination. Additionally, V-

COMM performed 800 MHz coordination and FCC licensing services for the NJ Highway Authority, which includes the NJ Turnpike and Garden State Parkway for the length of the state.

V-COMM supported the State of New Jersey's NJICS 700 MHz State-wide 700 MHz Digital Trunk Radio System expansion. V-COMM prepared a new frequency plan to support the new channel plan and to coordinate, as well as prepare the FCC license applications for the new frequency plan. The frequency plan will involve 700 MHz "State" channels that needed to be coordinated with adjacent States' State-Wide Interoperability Coordinators (SWIC). It also involved 700 MHz General Pool channels, which were coordinated with the Regional Planning committees (RPC's) from region 8 and 28. Finally the new plan included 800 MHz General Pool channels which were coordinated and licensed through APCO.

Comprehensive Public Safety Tower Planning

V-COMM also developed a Comprehensive Plan for Public Safety towers throughout the NJ Pinelands Conservation District on behalf of seven counties covered by Pinelands. This plan was sponsored and directed by OIT and NJ DHS and included both narrowband voice and broadband data (LTE) communications needs.

PROJECT: 5G Study for Economic Development

LOCATION: County of Passaic, New Jersey

CLIENT: County of Passaic, New Jersey

DATES: 2019

V-COMM worked with the County of Passaic and their various partners (the City of Paterson, City of Passaic, Saint Joseph's Hospital, Montclair University, etc.) to provide a study determining the current wireless coverage capabilities for current coverage and future 5G coverage within the County. The study was funded by the NJ Economic Development Authority, with the intent to help with the provision of broadband services throughout the county for all residents. V-COMM provided recommendations for building and deploying enhanced wireless broadband coverage for the County for the purposes of economic growth within the county and specific cities.

PROJECT: Cumberland County, NJ - Middle Mile Broadband Project
LOCATION: Cumberland County, New Jersey
CLIENT: Cumberland County, New Jersey
DATES: 2021 - Present

V-COMM is currently engaged by Cumberland County, NJ to assist with the design and documentation of a Middle Mile Broadband network to provide access to last mile services for enabling of broadband connectivity throughout the county, and specifically to assist with unserved and underserved areas within the county. County institutions and agency buildings will also receive broadband services based upon the middle mile design and deployment. Cumberland County, NJ will be filing in the upcoming NTIA Middle Mile Grant Program to help with the funding of this project. Recently, neighboring Salem County, NJ has joined forces with Cumberland County and the two counties will be filing a joint application to the NTIA for this project. V-COMM is assisting with the grant application process for the combined county project.

PROJECT: Broadband Data Collection (BDC) filings for Current FCC BDC Process including FCC Challenges
LOCATION: Various Locale Around US
CLIENT: Vantage Point Solutions
DATES: 2010 - Present

V-COMM was retained by Vantage Point Solutions (VPS) to assist with the development of BDC filings for various VPS clients around the US. V-COMM has had a long-standing relationship with VPS and the two firms have jointly worked on wireless projects throughout the relationship, dating back to 2010. V-COMM assisted in developing fabric analyses and other requirements including challenges under the FCC BDC program. All filings were reviewed and submitted by VPS on behalf of their various clients.

PROJECT: BDC Filings for Limitless Mobile Wireless
LOCATION: Williamsport, PA
CLIENT: Limitless Mobile Wireless
DATES: 2015 - Present

V-COMM was retained by Limitless Mobile Wireless to assist with the development of BDC filings for its wireless markets in New York. V-COMM assisted in developing fabric analyses and other requirements under the FCC BDC program in order for Limitless to submit its required BDC filing to the FCC.

PROJECT: Telecommunications Master Plan, Project Management of New Town Owned Monopole and Cell Carrier Leasing and Coordination

CLIENT: Kill Devil Hills, North Carolina
LOCATION: Kill Devil Hills, North Carolina

V-COMM was contracted by the Town of Kill Devil Hills to determine the level of wireless coverage throughout the town and determine how to best provide wireless service to its residents while earning rental income from wireless carriers. V-COMM developed a full survey of the current wireless service within the town as well as a set of recommendations to Town Council on how to best expand these services to residents while earning rental income for the town. V-COMM's plan reviewed all municipally owned property and structures and included both a short term and long-term plan, as part of a Telecommunications Master Plan. The short-term plan included maximizing wireless carriers on its 2nd Street municipally owned water tank. This water tank had a planned obsolescence and therefore a longer-term plan included the erection of a town owned telecommunications tower on the same property to eventually relocate the existing wireless tenants and attract additional future tenants. V-COMM through an affiliate, also collects and manages rental income, responds to all carrier notices and inquiries and coordinates all carrier requested and town required changes between the carriers and town departments. Finally, as part of this project, V-COMM resolved an outstanding Federal Aviation Administration (FAA) issue at this site which involved town antennas for its beach patrol. This tank is in very close proximity to the Wright Brothers Memorial (and active airport) and as such, FAA, environmental and historical issues are particularly sensitive.

PROJECT: Implementation Assistance
LOCATION: Arizona and Nevada
CLIENT: Welink Communications, Inc.
DATES: 2021

V-COMM provided implementation assistance with permitting, zoning analyses and overall engineering guidance to Welink in their project to deploy wireless broadband services in several western states.

3.4 Licenses And Certifications



TECTONIC IS AN ACTIVE MEMBER OF THE WIRELESS INTERNET SERVICES PROVIDER ASSOCIATION (WISPA) AND HAS ACCESS TO MANY OF ITS RESOURCES. THE TECTONIC TEAM OUTLINED WITHIN THIS PROPOSAL HAS PROVIDED IN-DEPTH PRESENTATIONS TO THE WISPA MEMBERSHIP ON BEAD FUNDING AND PROCESS AT SEVERAL ANNUAL CONFERENCES.

Licenses / Certifications:

Tectonic has provided telecommunication services since 1986. Tectonic is a Licensed Professional Engineering Firm in the State of Florida.

Professional Memberships and/ or Member Participation:

- Wireless Internet Service Providers Association (WISPA - Contributing Members)
- Wireless Industry Association (WIA) - Contributing Member
- Fiber Broadband Association
- Fiber Broadband Network
- Tower Industry Association (TIA-EIA - Contributing Members)
- American Institute of Steel Construction
- Statewide Wireless Associations (SWAPs - Senior Staff hold Executive Positions)

Tectonic will submit all Professional Engineering Licenses and other Certifications upon request of the City. Tectonic is also currently registered with www.SAM.gov

SAM.gov				
Name	Location	UEI	Cage	Exp Date
Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C., Inc.	407 Lithia Pine Crest Rd Brandon, FL 33511-6138	UWPAQE4R6XW6	9ZL78	8/16/2025

4.0 COST PROPOSAL

Tectonic proposes the following cost estimate sheets that indicate a total of \$ 182,790.00 for this project. This cost remains firm for 90 days or longer as requested by the City of Sanibel.

5.0 PROJECT APPROACH AND CAPACITY OF THE FIRM

5.1 General Approach

Tectonic's Project Management philosophy is clearly delineated in our corporate slogan "Practical Solutions - Exceptional Service." This involves the cooperation and efforts of all personnel assigned to a project and the mission of meeting the client's objectives. Tectonic's Project Director, Edward Frawley will oversee all services and will utilize key staff members as part of the overall team to responsively provide the City with the highest level of expertise in all aspects of the project. Tectonic will provide all services and deliverables outlined in the RFP and have sufficient staff and financial resources to complete the project in a timely manner.

As the City of Sanibel will provide oversight and support within its region as possible future subgrantees to potential BEAD funding, the Tectonic Team is dedicated to a successful process to complete the Broadband Pre-Feasibility Planning with Options for the City. In order to meet project schedules and stay within project budgets, the Team has a dedicated and experienced staff of personnel that will be assigned to the project. This team has successfully worked together on similar telecommunication and broadband projects.

Working together, Tectonic's team has a comprehensive Quality Assurance/Quality Control (QA/QC) Plan that will be used as a guide to the performance of all our professional services.

Through our dedication to provide quality services, Tectonic meets and exceeds its goals by utilizing the following methodology:

1. Understanding of the Client's Needs
2. Proper Application of the Applicable Regulatory and Funding Standards
3. Use of Current and Cutting-Edge Technology for Outreach and Coordination of Agency Input from Stakeholders and Subgrantees.
4. Organization, Thoroughness, and Presentation of Deliverables and Data Generated
5. Overall Acceptability of Final Products

Tectonic's Project Management staff will be assisted by experts in their respective fields to complete their specific tasks under the coordination and supervision of Tectonic. This management approach ensures that all project activities are integrated along well defined lines of authority and all the necessary components of our services are collated into a comprehensive set of deliverables that are produced on-time and within budget.

5.2 Technical Approach

Tectonic clearly understands that the City of Sanibel considers a modern broadband infrastructure to be a critical component of a competitive region. In support of your goals, our overall strategy is to prepare and deliver a Comprehensive Broadband Feasibility Study that includes a Broadband Infrastructure Strategic Technology Implementation Plan that meets the needs and expectations of the City. The City has its own unique elements and challenges. Our focus is to identify the common needs and areas of complication and complexity for fiber, wireless and wireline broadband deployment. Without limitation, our plan would primarily focus on these areas:

1. Fiber Deployment

- The Plan will analyze locations throughout the City with or without limited broadband access (including Unserved and Underserved Areas), information on public and private broadband network infrastructure, state-owned infrastructure and rights-of-way. Services will specifically review the feasibility of leveraging the traffic control fiber with emphasis on its size, locations, access points, slack storage, and specifications (mode, db loss per kft, etc.).
- Identify localities with less than 100 megabits per second download / Upload speeds.
- Assess Expansion of Fiber into areas to better service unserved and underserved homes within the City.
- Coordinate Availability of Dark Fiber Resources with any existing Service Providers.
- Recommend and prioritize fiber projects based on our studies.

2. Macro New Site Builds

- Identify current wireless siting and design requirements with the potential for expanded coverage and capacity solutions for fixed wireless providers. Specific attention to the unserved / underserved areas of the City that cannot be cost effectively serviced by FTTH.
- Create incentives via reduced permitting costs and expedited plan check processes based on City that identify areas of interest for jurisdictions.
- Assess the possibility of new Middle Mile Routes.
- Assess and identify development issues for internet providers:
 - Maximum height
 - Design Criteria
 - Setback rules
 - Permitting requirements and expectations

3. Macro Modifications

- Assess procedures for modifications to existing facilities adhering to the need for compatibility and expansion.
- Locate and Identify Utility Company and municipal locations for potential expedition of on-air facilities.

4. Small Cell Densification

- Review inventory of existing local jurisdiction assets to expand bulk opportunities for prolific densification efforts.
- Provide conceptual design standards to accommodate modern and future small cell technologies.
- Establish expectations that assist wireless providers with a dependable roadmap for deployment.
- Identify municipal-owned facilities with available power and fiber infrastructure to establish potential of converting these sites to on-air broadband service.

The City's Feasibility Planning would also draw data from Federal, State and Local broadband agencies and make recommendations for how to deliver a clear and predictable roadmap for your City to implement our deployment strategies.

5.3 Detailed Scope of Work

In accordance with the City's request, our Team has significant experience assisting government and economic development agencies with regional/community broadband implementation including developing a strategy for streamlining network deployment. We have demonstrated experience with coordinating large-scale telecommunication infrastructure projects and other related activities.

Tectonic will complete a needs assessment for area businesses, library, non-profits, schools, and other economic development stakeholders and will work with the state and federal agencies having jurisdiction for coordination of this assessment with the State Broadband Office.

We will work with all agencies within the City service regions including businesses. The service region for the City of Sanibel broadband effort includes expanding on the existing City owned Fiber Network.

In accordance with the following, the Tectonic Team will support the City's efforts with the following (as a minimum):

Broadband Feasibility Study

- Tectonic will assist with work through the City Officials to identify Local Broadband Initiatives that include, but not limited to, Internet Service Providers (ISP's), utility providers, anchor tenants, and other stakeholders to develop a strategic plan. Field verification of the ISP information will also be performed.
- As we do for all clientele, and if necessary, we will collect non-disclosure agreements with associated utilities - ISPs, power utility, ILECs, municipalities, counties and others - in order to gather information on current requirements to provide either underground or aerial fiber. We will draft RFPs and eventually, Public Private Partnership agreements with ISPs interested in becoming subgrantees for review by the City.

- Organize, integrate, and document individual projects and develop Rough Order of Magnitude (ROM) budgets. Tectonic will utilize our GIS team to work closely with the City Planner's GIS team to freely trade information and data obtained during the study.
- Integrate FCC Broadband location data and state broadband data into a City infrastructure map and build required layers of broadband published location data with served, unserved, underserved, non-fiber served; economic and anchor location layers.
- Tectonic will map and categorize locations as being served, unserved, underserved, non-fiber served; other and identify locations that would benefit from a City owned Fiber Network.
- Conduct planning sessions as needed to plan and confirm project details identifying the most important broadband options for the City including an option for the City to embark on developing an open access fiber optic network of its own.
- Based on our interviews with stakeholders and local organizations, gather input to assess the level of support for the initiative.
- Using our experience with both fiber and wireless broadband services, develop up to three (3) high level options for suitability of City owned broadband network including technology recommendations with fiber optics as a delivery technology, and why it is the best when economical.
- Provide Rough Order of Magnitude (ROM) Estimates for each Option that provides reasonable delivery of suitable broadband. Identify state and federal funding (ARPA) options as well as public or private partnerships that are available to the City/ County for funding the construction, implementation, and subsequent operation of the network. Develop a cost table with associated costs, mapping, and timelines to construct infrastructure upgrades.

- Tectonic will develop and roll out the draft feasibility study for City approval. Based on input from the City Team, Tectonic will prepare and issue a final report.

5.4 Readiness And Capacity

The Tectonic Team is currently available and ready to support the City of Sanibel with adequate staffing and financial resources for this project. There are numerous tasks and subtasks that need to be addressed and our Team is properly staffed - both in number and qualifications - to handle all aspects of this broadband implementation.

Project Management

Tectonic has a planned, proactive and communicative approach to service implementation and has successfully managed similar projects throughout the country. We will be successful in doing this for the City by immediately developing a tracker to track the scope of work requirements and submit updates to the City once a week, or at other intervals as requested. Tectonic utilizes many different reporting tools such as MS Project, or Excel. On our newer projects, we are using Smartsheets, a cloud-based reporting tool that allows multiple hosts and users simultaneous access. Also, part of our management team's responsibility is to regularly monitor the project budget and as pay points or deliverables are completed, request invoicing. Included in this task are the following:

- Overall management of the Project including contract administration, budget management, invoicing, weekly status reports, scheduling, and coordination with the City. Tectonic's services include assisting the City's IT Director with reporting and submissions as required.
- Attend kick-off and final presentation meeting as well as subsequent virtual meetings with the City. Tectonic will prepare a meeting agenda, attendance sheet and meeting minutes. Meeting minutes shall be distributed within three business days of the date of the meeting.

- Prepare a Project Management Plan (Work Plan or Plan) to guide aspects of all work tasks, schedule, and budget within the Contract Agreement.

5.5 Preliminary Project Schedule

Task	May 2025	June 2025	July 2025	Aug 2025	Sep 2025	Oct- Dec 2025
Task 1: Review Existing Network, Ground Truthing of Existing Infrastructure						
Task 2: Outreach to Stakeholders and Businesses						
Task 3: Network Conceptual Options and Cost Estimates						
Task 4: Deliver Draft and Final Feasibility Study/ Project Complete						

Tectonic believes this project can be completed in eight months.

APPENDIX A – RESUMES

YEARS OF
EXPERIENCE: 43

YEARS WITH
TECTONIC: 35

EDUCATION:

M.S., Civil Engineering,
University of Idaho;
Moscow, ID (1996)

B.S., Civil Engineering,
Northeastern University;
Boston, MA (1977)

LICENSES:

Professional Engineer:

- New York, #062787
- 22 Other States

Professional Geologist:

- New York, #000842

MEMBERSHIPS:

- Professional Societies: American Society of Civil Engineers - Associate Member
- National Society of Professional Engineers - Past Chapter President Orange/Sullivan
- ASCE Drilled Shaft Standards Committee - Member
- International Assoc. of Foundation Drilling Contractors (ADSC) - Member
- Deep Foundation Institute - Member

Donald A. Benvie, P.E., P.G.

Chief Executive Officer

SUMMARY:

As President and CEO, responsible for strategic planning initiatives, overseeing the development of tactical growth plans, restructuring and realigning the company along client sectors, corporate management of accounting and marketing staffs, budgeting, determination of staffing needs, business development, client liaison and coordination of home office support with regional offices. Principal-in-Charge for all corporate and administrative activities relative to telecommunications, transportation, and public works agencies including client contact, business development, project management, construction support services and quality assurance oversight. Technical responsibilities include oversight and independent peer review of heavy civil and infrastructure projects involving site development, roadways and bridges, pile and caisson foundations, embankment construction, sheeting and shoring, development of geotechnical design criteria, design of support of excavation (SOE) systems, rock blasting and tunneling utilizing tunnel boring machines (TBM), micro tunneling and conventional drill and blast.

RELEVANT PROJECT EXPERIENCE:

Telecommunications:

Sprint PCS, Sites throughout the Northeast, Principal-in-Charge - Responsibilities included the management and engineering design of the wireless build-out program. Provided oversight of project managers assigned to these projects including review of budgets, establishing profitability goals, assignment of senior level personnel, peer review of projects and liaison with client.

AT&T Wireless, Sites in NY, CT, and MA, Principal-in-Charge - Responsibilities include the management and engineering design of the wireless build-out program for AT&T in New York, Connecticut, and Massachusetts. Provided oversight of project managers assigned to these projects including review of budgets, establishing profitability goals, assignment of senior level personnel, peer review of project, and liaison with client.

Verizon Wireless, Principal-in-Charge - Tectonic performed site acquisition, engineering and review on 2,000 sites located in MA, CT, NJ, PA, WV, and Virginia. Special projects include the first LTE deployment project in New York.

Metro PCS Wireless Sites and Switch Facilities, Principal-in-Charge - Tectonic performed site acquisition, engineering and design development for new site deployment in New York metropolitan areas and switch facilities in NY and NJ.

Verizon Wireless, Various Locations, Principal-in-Charge - This project consisted of the installation of several hundred wireless telecommunication antenna sites in the New York metropolitan area in support of a major build-out program. The project included tenant improvement and rooftop sites, modifications to existing structures and raw land site development. Tectonic provided surveying, site planning and design, structural engineering, geotechnical/soils investigations, environmental compliance and construction inspection services. The sites were located in Manhattan; Orange and Westchester Counties, NY; and Northern NJ.

Telecommunications Master Planning and Needs Assessment, East Orange County Water Commission, East Orange, NJ - Principal-In-Charge - Provided oversight of the review and evaluation of the potential use of Commission-owned property for the development of telecommunication sites in an effort to improve wireless operation of their Supervisory Control and Data Acquisition (SCADA) system. This evaluation included the preparation of a Needs Assessment Report to determine gaps and required upgrades for resolving operational issues with wireless communication. This Needs Assessment evaluated the available assets with respect to development of a "global" wireless telecommunications backbone. Tectonic also provided a Master Telecommunications Plan outlining the options evaluated and the locations of proposed tower development based on the availability of existing nearby telecommunications sites and potential impacts from federal, state, and local regulations. Tectonic prepared an initial development schedule and provided relative costs for achieving the Commission's goals and objectives.

American Water Project, Site Development, Various Locations throughout the US - Principal-in-Charge - Tectonic has been exclusively retained by American Water (AW) for four years to provide program management for the development of wireless telecommunications facilities on their water tanks, rooftops and raw land properties. AW has over two thousand sites located in 27 states including Arizona, Alabama, California, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Missouri, New Jersey, New Mexico, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Texas, Virginia, Washington, and West Virginia. Tectonic's responsibilities include lease negotiations, site visits, engineering design and construction documents, construction compliance oversight, as-built drawings, and coordination of homeland security access requirements.

YEARS OF
EXPERIENCE: 33

YEARS WITH
TECTONIC: 28

EDUCATION:

A.A.S., Law Enforcement (1980)

A.A.S., Psychology (1980)

Westchester Community College;
White Plains, New York

COURSES:

System Design Build-Out
PCS Strategies
RF Engineering

LICENSING/CERTIFICATIONS:

Lucent Certified, Nortel Certified
Wireless Institute Certified (LCCI)

As Manager of Site Development Services, managed projects for the following clients:

- Verizon
- AT&T
- Sprint PCS
- Northcoast PCS
- Aerocomm
- General Dynamics
- Crown Castle
- Orange & Rockland
- SBA
- American Tower
- LendLease
- Spectrasite Comm.
- Sprint Sites USA
- T-Mobile
- Nextel
- Con Edison
- Comcast
- Bechtel
- EcoSite
- Goosetown Comm.
- Tarpon Towers
- Winstar
- Uniti
- Sirrus Comm.
- Pinnacle Site Development
- XM Satellite Radio

Edward F. Frawley

Executive Vice President

SUMMARY:

As Executive Vice President he is responsible for oversight of site acquisition/zoning services, civil engineering, geotechnical, survey, and visual services for all projects nationwide. Responsibilities involve day-to-day operations, marketing, budgeting, hiring of employees, profit and loss reporting, client interaction, project process and procedures and quality control.

RELEVANT PROJECT EXPERIENCE:

Verizon Wireless, Client Manager - Responsible for all site acquisition, leasing, zoning, engineering and construction management services for Verizon wireless. Communicates directly with the client and responsible for the day-to-day operations of staff and third-party vendors. Tectonic is currently providing these services in multiple markets for Verizon wireless (1998-present). Markets where services have been provided are California, Connecticut, Maine, New Hampshire, Rhode Island, New York, New Jersey, Pennsylvania, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Tennessee, Florida, Texas, Arizona, New Mexico, Utah, and Nevada.

American Water Company, Wireless Site Development, Client Manager - Communicates directly with the client and responsible for the day-to-day operations of the site acquisition, engineering and construction management staff. Tectonic is currently working in 27 states for this project and has realized the client over a 300% increase in revenues since the project inception (2003-present).

T-Mobile Communications, Client Manager - As Client Manager, responsibilities include overseeing the day-to-day site acquisition, zoning, engineering and construction management for T-Mobile. Geographic areas where services have been performed are Connecticut, New Jersey, New York, North Carolina, and California (1997-present).

Visual Viewshed Services, Manager - As manager of Visual Viewshed Services, responsibilities include client contact, scheduling, coordination, and quality control. Tectonic performs this service for every major wireless carrier. In addition to the wireless carrier, Tectonic has performed this service for new civil site/design projects. These projects have shown proposed buildings, new proposed roadways, bridges, etc. Has testified before many municipalities as well as Adirondack Park Agency (APA), Tahoe Regional Planning Agency (TRPA), Connecticut Siting Council (CSC), etc.

Telecommunications Master Planning and Needs Assessment, East Orange County Water Commission, East Orange, NJ, Program Manager - Responsible for the evaluation of the potential use of Commission-owned property for the development of telecommunication sites in an effort to improve wireless operation of their Supervisory Control and Data Acquisition (SCADA) system. This evaluation included the preparation of a Needs Assessment Report to determine gaps and required upgrades for resolving operational issues with wireless communication. This Needs

Assessment evaluated the available assets with respect to development of a "global" wireless telecommunications backbone. Tectonic also provided a Master Telecommunications Plan outlining the options evaluated and the locations of proposed tower development based on the availability of existing nearby telecommunications sites and potential impacts from federal, state, and local regulations. Tectonic prepared an initial development schedule and provided relative costs for achieving the Commission's goals and objectives.

Various Telecommunication Carriers, Nationwide, Corporate Program Manager - Responsibilities included site acquisition, zoning and/or leasing services, A&E coordination for the following carriers:

- Verizon Wireless - Nationwide
- Cingular Wireless/General Dynamics - supervised sites in upstate New York and Long Island
- General Dynamics/Nextel-Baltimore, Southern VA, North Carolina and South Carolina
- Nextel Partners - Pennsylvania, New York, North Carolina, South Carolina and Florida
- ATC-Zoning, Program Manager - Responsible for due diligence packages in the northeast (New York/Long Island/Maryland/Virginia/Connecticut/Massachusetts), as well as site acquisition and zoning
- Sprint PCS - Program Manager - New York, New Jersey, Nevada, California, Idaho, Washington and Utah
- Devon Mobile - Program Manager Upstate New York

Various Broadband Providers, Nationwide, Executive Vice President - Responsibilities and oversight include:

- Real Estate functions
- All engineering, including civil, structural, geotechnical, RF, environmental and PLS survey
- All permitting, including municipal, right of way, DOT, rail, ETC
- Middle and last mile fiber
- Overall client management
- Program profit and loss

YEARS OF
EXPERIENCE: 38

YEARS WITH
TECTONIC: 33

EDUCATION:

A.A.S., Construction Technology,
SUNY Alfred, NY {1984}

B.S., Civil Engineering Technology,
Rochester Institute of Technology, NY (1987)

LICENSES:

Professional Engineer:

- Arizona (2022)
- Arkansas {2021}
- Colorado (2019)
- Connecticut {2006}
- Delaware (2021)
- Georgia {2020}
- Hawaii (2013)
- Maine {2019}
- Maryland (2019)
- Minnesota {2011}
- New Hampshire {2019}
- New Jersey (2004)
- New York {1994}
- North Carolina (2019)
- Oklahoma {2019}
- Oregon (2013)
- Pennsylvania {1993}
- Texas (2019)
- Virginia (2020)
- West Virginia {2019}

ICC Certified Structural
Steel & Bolting Inspector

Antonio A. Gualtieri, P.E.

Executive Vice President

SUMMARY:

Mr. Gualtieri is responsible for the management, leadership, focus and direction for the Telecommunication/Energy Division staff to be able to deliver practical solutions and exceptional service. Mr. Gualtieri is responsible for overall technical management of the corporate structural division, energy and telecommunications group in the tri-state area, including extensive experience in New York City Metro and holds overall technical responsibility for the corporate facilities group. Additionally, Mr. Gualtieri is the corporate market sector director for the energy market sector.

Mr. Gualtieri has managed the design of various types of telecommunications & energy projects, including new construction and modification to existing structures.

Additional responsibilities include client management, proposal preparation, contract negotiations, business development, design supervision of engineering work in the areas of: building design, structural design (steel, concrete, masonry, and timber) structural investigations and inspections, tower and foundation design and retrofit.

RELEVANT PROJECT EXPERIENCE:

Telecommunications:

Verizon Wireless - Building Rooftop / Tower Analysis, NY, Project Director - Manages the design team to complete an aggressive build plan to perform building rooftop and tower analysis on numerous sites throughout New York Metro and New York State. Work consisted of analysis, retrofit design, and drawing preparation to accommodate the new technology. (On-Going)

T-Mobile-Tower/Building Rooftop Analysis, NY, NJ, PA, Project Director - Manages the design team to complete a build plan to perform tower analysis and building analysis on over 500 structures. Work consisted of analysis, design and retrofit and design documents.

Bechtel / AT&T Ethernet Project, New York City, Project Director - The Ethernet Project involves upgrades to the backhaul requirements for over 600 existing AT&T cell sites to handle the anticipated increase in data traffic volume due to the increasing popularity of smart phones, PDA etc. Responsibilities included client interaction, Project management and scheduling of staff to perform site visitations, preparing Construction drawings, Permit applications and close-out inspections.

LTE - Upgrade for AT&T Wireless in NYC Metro and NJ, Project Director - Responsible for oversight and technical review of the engineering services to Black & Veatch for the AT&T LTE Project involving installation of antennas and cabinets in their existing equipment areas. Services include Site Visits, Structural Design for Rooftops and Towers, Construction Drawings, Permitting, Fire Code Waiver, and Special Inspections.

Bechtel/ AT&T LTE Upgrade Project, New York City and Metro Area, Project Director - The LTE Upgrade will bring the AT&T wireless network to the latest 4G technology and will offer high speed data transmission on mobile equipment such as smart phone, PDA, I-Pad etc.

This involves adding antennas and related hardware equipment to the existing rooftop cell sites. Responsible for client interaction, staff scheduling and Project management to prepare Construction drawings and structural design. The scope also includes site visits, Building permits, New York City Fire Code Variance packages, Landmarks Approvals and Special inspections. (On-going)

Metropolitan Television Alliance (MTVA) Design and Construction, NYC, Project Director - Tectonic provided full design services including site visits, Design & Construction drawings, permitting support including Landmark's submission and structural analysis for the Phase 1 of NY City Post 9/11 Digital Television Transition project. The Project involved design, deployment and operation of digital television broadcast system to provide fill-in, over-the-air digital television coverage in areas of NY and NJ. Phase 1 of the project included five transmission sites including Empire State Building and over 100 test measurement sites. MTVA is a consortium of New York City television stations that was formed after September 11, 2001, when the television stations' transmission facilities were destroyed in the collapse of the North Tower of the World Trade Center.

Cingular Wireless Cell sites, New York City Housing Authority Properties, NY City, Project Director - The project involves installation of cell site equipment and antennas at various properties owned and managed by the New York City Housing Authority (NYCHA). Site design includes special security measures required by NYCHA to prevent unauthorized site access and vandalism. Site specific duties include detailed site inspections, research and obtain existing building records from NYCHA database, structural assessment and design of support frames for cell site radio equipment and antennas, preparation and review of construction / permit drawings and management of sub-consultants for Building Permit Expediting work. (2009-2010)

General Dynamics/ AT&T Wireless Project Victory, New York Metro Area, Project Director - Managed the A/E scope of work for New Site Build project for AT&T Wireless cell sites in New York Metro area. Site specific duties include detailed site inspections, structural assessment, preparation and review of permit-construction drawings and expediting building permit process. (2003-2004)

Westchester County Department of Public Works and Transportation, Guard Hill Radio Tower Upgrade Project, Westchester, NY, Project Director - Tectonic was retained to provide design services to the Westchester County for the replacement of the existing 50 feet radio tower and emergency generator at the Guard Hill Radio Tower sites in Bedford, NY. The existing tower and its foundation are to be removed and replaced with a new 60ft tall tower. Tectonic's scope includes Site Survey, Geotechnical investigation and soil testing, tower analysis, foundation design, Environmental review, NEPA/SHPO approvals, Construction and Permit documentations, Attend meetings and Construction Administration. Tectonic was also requested to provide electrical design tasks including sizing of emergency generator, automatic transfer switch, verification of and removal of existing electrical system no longer needed and design of new branch circuitry all in accordance with the National Electrical Code.

Westchester County DPW, FM200 System Install, Westchester, NY, Project Director - Mr. Gualtieri provided oversight and technical review for this project. Tectonic has contracted with Westchester County to provide the design documents to install a state of the art FM200 Fire Suppression system in twelve (12) of their emergency radio system rooms located throughout the County. Tectonic was retained by the County to prepare detailed design plans and specifications as well as construction management services. The FM200 is a waterless fire suppression system that leaves no residue and does not displace oxygen when discharged. The system is safer for use in occupied spaces and works well in conjunction with radio communication rooms.

Low-Band Emergency Communication System, Westchester, NY, Project Director - Tectonic has contracted with Westchester County to provide the design documents to implement a new county wide emergency radio system. Tectonic was retained by the county to design the infrastructure required to implement the new \$11.9 million communications system. Tectonic prepared detailed design plans and specifications required for design of site improvements including equipment shelters and antenna support structures (i.e., lattice towers, monopoles, and co-location on existing towers.) The new system consists of two separate radio systems; the first is part of a countywide system that will replace existing fire, EMS and transportation dispatching. This will enable fire, EMS, police, hospitals and the county bus system to communicate more efficiently, specifically in times of emergencies.

Fox Lane High School, Bedford, NY, Project Director - Provided oversight and technical review of this project. Tectonic has performed structural analysis of the existing guyed towers for the proposed addition of several microwave dishes on Tower #2. We are currently designing the tower reinforcement required to accommodate the proposed upgrade.

Pennsylvania Turnpike Commission Tower Facilities- PA, Project Director - Oversight and technical review of the structural inspection and analysis of approximately 50 existing lattice towers and monopoles, and the development of updated design criteria, specifications, and procedures. Tectonic has been retained for a consecutive three (3) year term contract with the Pennsylvania Turnpike Commission performing engineering design services and structural analyses for communication towers.

LTE-Upgrade for Verizon Wireless in Upstate NY, Project Director - Responsible for oversight and technical review of the assessment and analysis of existing mounting structures including building, towers, poles, etc. for the LTE-upgrade project for Verizon Wireless. Design of tower and foundation reinforcements to support additional loads and satisfy current code requirements.

Sprint -Tower Analysis, NY, NJ, PA, CT, Project Director - Manage the engineering team to complete tower analysis as needed to comply with local, municipal, and state requirements. Over 250 towers have been analyzed. Prepared design documents for structures that were overstressed to bring them to compliance.

AT&T-Tower Analysis, NY, NJ, Project Director - Managed the design team that performed Inspection and mapping of existing lattice towers, monopoles and water tanks. Work consisted of detailed analysis of the structure and foundations to determine existing capacities. Prepared design documents for structures that were overstressed to bring them to compliance.

Bechtel Corporation AT&T Projects throughout the Northeast, Project Director - Provide wireless telecommunication installations for over 400 AT&T sites for Bechtel Corporation with many of the sites being located in New York City on rooftops. Responsible for oversight of client interaction, proposal preparations, distribution of workload to a staff of over fifteen engineers and designers. Duties included zoning and planning board presentations, drawing preparation, budget analysis, permits for many towns and utility companies (i.e., Con-Ed, Orange & Rockland) and state agencies (i.e., New York State University Dormitory Authority, Department of Housing and NYS Thruway Authority).

Sprint PCS Wireless Build-out Program in Northeast, Project Director - Responsible for oversight of client interaction, proposal preparations, distribution of workload to a staff of over ten engineers and designers for over 350 sites in and around New York City.

NEXTEL Wireless Communications throughout Northeast, Project Director - Responsible for client interaction for over 200 telecommunications projects.

Sirius Satellite Radio, Project Director - Responsible for oversight of client interaction, site design and sub-consultant coordination on 15 or more satellite receiver and rebroadcast sites designed to fill in "dead" spots where satellite transmissions are received poorly on the ground across the United States. (2002 - 2008)

Various rawland sites throughout NY, NJ, PA, VA and CT, Project Director - Inspection and mapping of existing lattice towers, monopoles and water tanks. Detailed analysis of the structure to determine existing capacities. Design of tower and foundation reinforcements to accommodate additional loads.

Various sites throughout United States for American Water, Project Director - Responsible for oversight and technical review of the overall site layout, code analysis, structural analysis of existing water tank and preparation of construction drawings for installation of wireless sites for major national carriers.

Bechtel/ AT&T Mobility Project, New York City and Metro Area, Project Director - Responsible for client interaction and Project management for various Telecommunication wireless cell sites in New York City and surrounding Metro area including Tenant Improvement and rooftop sites with outdoor equipment or shelters. Duties include detailed site inspections, structural assessment, review of permit and construction drawings and expediting building permit process. Also managed sub-consultants for electrical-mechanical design and building permit expeditors. (On-going)

Bechtel/ Dobson Upgrade Project, New York Metro Area, Project Director - The project involved upgrading the existing Dobson Cellular wireless sites as a result of AT&T Mobility takeover. The upgrade included Antenna replacement and additions, replacing base stations, upgrading Electric power and running additional coaxial cables. Duties included Project management for various tasks including site visits, Tower Climbing and Mapping, Foundation Mapping, Geotechnical Analysis, Structural Analysis, Construction Drawings, and Permitting. (2010)

Communication Towers along NY State Thruway, Project Director - Inspection and mapping of existing lattice towers and monopoles along and owned by the NY State Thruway Authority. Structural Analysis of these structures to verify their adequacy to support T-Mobile upgrade under the current code requirements.

MetroPCS Launch, New York City and Metro area, Project Director - Responsible for client interaction and Project management for the installation of over 100 MetroPCS cell sites in Midtown Manhattan and surrounding Metro area including Tenant Improvement and rooftop sites with outdoor equipment. Duties include Site Qualification, detailed site inspections, structural analysis and design review, Permit-Construction drawings, Building Permit Applications, Code required Special Inspections, and As-built drawings. (2009-2010)

Bechtel/ Cingular Wireless Special Projects, New York City, Project Director - The project involves installation of new Radio and/or Power Supply cabinets to existing cell sites located throughout New York City. The scope includes detailed property inspections, site visits, drawing preparation for building permit application and construction, checking structural stability of existing equipment support frames for additional and replaced equipment. Other project duties include Directive-14 Inspections, client interaction and management of sub-consultants Building Permit Expediting work. (2009-2010)

New York State Wireless Network, New York City and Metro Area, Project Director - The project involved building a statewide wireless network to be used by emergency responders including Police, Fire, Emergency Medical Personnel etc. Performed site visits and detailed inspections, reviewed drawings for building permit application and construction, checked structural stability for equipment support frames equipment and antennas on buildings such as Chrysler Building, Creedmore Hospital and numerous towers. (2006-2007)

T-Mobile, 3G-UMTS Expansion, New York City & Upstate New York, Project Director - Performed detailed property inspections, site visits, prepared and reviewed drawings for leasing, building permit application and construction, checked structural stability of existing equipment support frames for additional and replaced equipment and antennas. Other project duties included client interaction and management of sub-consultants. (2006-2009)

Sprint PCS Site, Fifth Avenue, Carnegie District, New York City, Project Director - Responsible for oversight and technical review of the design of rooftop antenna relocation and cell site equipment shielding to address visual mitigation issues and to resolve New York City Landmarks Commission Violation Notice and litigation by the Landlord. The project involved removing existing non-compliant antennas and related cables from the Penthouse roof and relocating them inside RF Transparent Faux Chimney and on the building facade to comply with the strict requirements set forth by the Landmarks Commission, the Building Architect and the Landlord. The rooftop cell site equipment was shielded by erecting sound absorbent panels to minimize noise disturbance as well as to satisfy visual aesthetics criteria. Other project duties included detailed property inspections, meetings with the client and the landlord, photo reports preparation, drawing review for building permit application and construction, obtain Landmarks Commission approval, Directive-14 Inspections and management of sub-consultants for Building Permit Expediting work. (2005-2006)

SBA/ Sprint Project Keebler, New York City and Metro area, Project Director - Responsible oversight and technical review for various Sprint PCS cell sites in New York City and surrounding Metro area including Tenant Improvement and rooftop sites with outdoor equipment. Duties include Site Qualification, detailed site inspections, structural assessment and design review, review of permit-construction drawings and updating Internet based site database. (2004-2005)

Sprint PCS Wireless Cell site, Waldorf-Astoria Hotel, New York City, Project Director - The project involves installation of cell site equipment and antennas with related cables and utilities at the Waldorf Astoria Hotel. Site specific duties include detailed site inspections, structural assessment and design of support frames for cell site radio equipment, preparation and review of construction / permit drawings, prepare photo reports and obtaining New York City Landmarks Commission approval. (2004)

Sprint Wireless Sites, ModCell Expansion, New York City, Project Director - Responsible for technical oversight and review of the performance of detailed property inspections, site visits, reviewed drawings for building permit application and construction, checked structural stability of existing equipment support frames for additional and replaced equipment. Other project duties included Directive-14 Inspections, client interaction and management of sub-consultants for electrical and Building Permit Expediting work. (2002-2004)

Bechtel/ AT&T Wireless 1900 Upgrade Project, New York City, Project Director - The project involved upgrading existing AT&T Wireless cell sites to include 1900 Series equipment and antennas. (2001)

YEARS OF
EXPERIENCE: 46

YEARS WITH
TECTONIC: 26

EDUCATION:

Master's in Business Administration, Drexel University, Philadelphia, Pennsylvania (1982)

B.S., Civil Engineering, Drexel University, Philadelphia, Pennsylvania (1987)

LICENSES:

Professional Engineer:
Alabama, Arizona, Delaware,
District of Columbia, Florida,
Georgia, Kentucky,
Louisiana, Maryland,
Mississippi, New Jersey,
New Mexico, New York,
North Carolina,
Pennsylvania, South
Carolina, Tennessee, Texas,
Virginia and West Virginia

CERTIFICATIONS:

- Certified Tower/ Tank Climber
- US Department of Defense Certification - USACE Protective Design Center for Security Engineering and Blast Resistance Design
- Sandia RAM Certified, Vulnerability Assessment Methodology/ Instructor
- Federal Emergency Management Agency- Emergency Management Institute
- WMD Outreach Program, FBI Academy, Quantico, VA

Edward F. Martella, P.E.

Vice President - Professional Services Nationwide

SUMMARY:

As Vice President, responsible for technical direction and coordination of development, engineering and design for all Telecommunication, MSC and Utility projects within all regions including Design, Inspections, Critical Infrastructure Assessments and Protection Plans. Responsible for overall engineering and project management including development of facility engineering and civil design standards, technical production and review of documents. Provided expert testimony in engineering litigation. Mr. Martella has experience designing and constructing emergency generator sites in numerous states including Florida, Virginia, DC, New York, New Jersey, Georgia North Carolina and South Carolina.

RELEVANT PROJECT EXPERIENCE:

Telecommunications:

Franklin County On-Call Broadband Services, Project Director • As Project Director, oversaw all engineering efforts to develop Broadband Planning for Unserved and Underserved areas throughout Franklin County NY.

Capital District Regional Planning Commission, Capital Region Broadband Planning and State Map Challenge, Project Director - As Project Director, oversaw all engineering advisory efforts to develop Broadband Planning for Unserved and Underserved areas through the region through the New York State Map Challenge system.

Lake Champlain-Lake George Regional Planning Board, On-Call Broadband Data, Planning, GIS, and Engineering Services, Project Director - As Project Director, oversaw all engineering efforts to develop Broadband Planning for Unserved and Underserved areas through the region consisting of five Update New York counties. Also worked with several Internet Service Providers and the DANC Middle Mile Network to provide Last Mile Solutions and cost estimating services for Last Mile Network expansions.

Cumberland And Salem Counties NJ - Middle Mile Network Engineering Consultant - As Project Director, provided a Broadband Feasibility Analysis and a Route Summary Review for a proposed Middle Mile Fiber Network throughout two Southern New Jersey Counties.

Southern California Association of Governments (SCAG) and San Diego Association of Governments (SANDAG), Broadband Permit Streamlining, Project Director - As Project Director, oversees all on-going services for the SCAG / SANDAG Broadband Permit Streamlining Efforts. Provides contractual oversight, enforces quality assurance over work deliverables and creates report formatting and processes to meet the requirements of Final Report submission.

Verizon Wireless CRAN Medium Hubs; Southeast, Southwest, Northeast and Mid-Atlantic Regions; Project Director - Responsible for the Site Acquisition and A/E services for approximately 500 CRAN Hubs throughout four regions for VZW. Hub design included site design for secondary dark fiber routing; Power and HVAC upgrades to the existing shelter/ building and emergency generators.

Verizon Wireless MSC Switch Sites Nationwide, Project Director - Responsible for the management and engineering design for MSC Switch Buildouts and Master Planning for telecommunication switch expansions and buildout programs of several nationwide MSC's for Verizon Wireless. Oversaw all engineering design for emergency generator and upgrades, surveying, regulatory permitting, and project management and/or construction administration services for the following Verizon Wireless Switch Projects:

- Rochester, NY MSC SAP Expansion
- Plymouth Meeting, PA MSC SAP Expansion
- Maple Shade, NJ MSC Generator and CRAC Upgrades
- Macon, GA MSC 480 Volt Service Upgrades
- West Roxbury, CT MSC Generator Upgrades
- Charlotte, NC RNC Switch Room 5 Design and Phase 2 Generator Expansion
- Annapolis Junction, MD MSC Battery Room Expansion
- Plant City, FL MSC HVAC and BAS Upgrades
- Shockoe, VA MSC Switch Expansion Project
- Lee Hall, VA MSC HVAC Mechanical Renovations
- Mineola, NY MSC Generator and Renovations
- Miami West, FL MSC Switch B Buildout
- Las Vegas, NV MSC Generator Addition
- Lynchburg, VA MSC Switch Room Upgrades
- Roanoke, VA MSC Generator Upgrades

Telecommunication Sites throughout Mid Atlantic and Southeast Region, Project Director - Responsible for the management and engineering design, including tower analysis, of wireless buildout programs of several nationwide telecommunication carriers throughout Maryland, Virginia, North Carolina, South Carolina, Tennessee, Georgia and Washington, DC. Provided engineering design, surveying, regulatory permitting, and construction management services.

GovNET, Inc., A/E Design of Public Safety Microwave Network, Project Manager - As Project Manager, Mr. Martella oversaw all technical direction and coordination for this project. He was responsible for overall engineering and project management including development of standards, technical production and review of documents.

Verizon Wireless Virginia, West Virginia and North Carolina Buildouts, Project Manager - Mr. Martella is currently the Project Manager of Verizon Wireless buildout in West Virginia. Responsible for all architectural/engineering design, tower and building structural analyses, land surveying and environmental services for cellular sites, switches and MTSO's throughout two States.

Verizon Wireless Telecommunication Sites in Southwest Region, Project Manager - Responsible for the management and engineering design, including tower analysis, of wireless buildout programs of several nationwide telecommunication carriers throughout New Mexico and Texas. Provided engineering design, surveying, regulatory permitting, and project management services.

East Orange Water Commission, Communications Infrastructure Needs Assessment and Master Plan, Project Manager - Responsible for review and evaluation of the potential use of Commission owned property for the development of telecommunication sites in an effort to improve wireless and data operation of their Supervisory Control and Data Acquisition (SCADA) system and develop tower sites that could be used for installation of multiple wireless commercial carriers. This evaluation included the preparation of a Needs Assessment Report to determine gaps and required upgrades for resolving operational issues with wireless communication as well as complete engineering design including tower structural, foundation and civil/ site planning.

Lone Star College System, Houston, TX, Project Manager - As Project Director, Mr. Martella oversaw the initial development of a Needs Assessment for Alert and Communication Systems for a major college system comprised of over 50,000 students throughout twelve facilities within the Houston, TX area. Prepared an updated Emergency Communications Plan, for this post-secondary educational institution. All plans are to achieve NIMS compliancy and meet the latest DOE and FEMA requirements.

City of Meriden, CT, Disaster Recovery Plan, Project Director - As Project Manager, Mr. Martella was responsible for development of a Municipal Impact Analysis for IT network, Needs Assessment and the eventual preparation of the City's Disaster Recovery Plan (DRP) from hazards normal to the region. The DRP specifically identified process and procedures for the City departments to implement in order to recover the network infrastructure and operational activities critical for an effective emergency response.

T-Mobile Telecommunications Buildout, Regional Director - Inspection and design of wireless telecommunications sites throughout Virginia, DC and Maryland markets.

Sprint PCS Telecommunications Buildout, Regional Director - Responsibility for the engineering effort to complete the build-out of Sprint PCS Telecommunications System in the Virginia and Georgia regional areas.

Triton PCS (AT&T) Wireless Telecommunication Sites throughout Virginia and North Carolina, Project Manager - Responsible for the management and engineering design. Provided engineering design, surveying, regulatory permitting, and construction management services.

YEARS OF
EXPERIENCE: 32

YEARS WITH
TECTONIC:

EDUCATION:
A.A.S., Electronics Technology
with Telecommunication Opt
Hudson Valley Community
College, Troy, NY

LICENS ES/CERTIFIC ATIONS:
Project Management
Professional (PMP)

Part 107 Licensed Drone Pilot

Robert C. Van Auken, P.M.P

Senior Project Manager - Fiber Installations/ Broadband Services

SUMMARY:

Robert C. Van Auken serves as the Senior Project Manager for Fiber Installations and Broadband Services within the Telecommunications division at Tectonic. He has over 32 years of experience in the telecommunications field and is highly skilled in project management.

Senior Project Manager, Broadband-Tectonic: 2024

- Assisting with development and execution of broadband initiatives.
- Training staff in fiber build requirements.
- Training contractors to respond to wireless and wired broadband challenges.
- Develop testing plans.
- Client representative and implements the client's needs.

Lead Project Manager, Carrier Backhaul-Firstlight Fiber: 2018-2023

- Lead Project Management team in charge of installations.
- Forecasting for C-level reporting and budgeting.
- Distribute monthly communications for VP and C-level management.
- Service delivery from order acceptance to circuit delivery.
- Direct interface between carriers and internal groups.
- Manage an eight person team covering parts of New England, NY, and PA.

Project & Transport Manager, AT&T Mobility: 2005-2018

- Create and distribute executive level reports.
- Cost analysis and budgeting.
- Assist in preparation of designs.
- Ensure the successful completion of Work-in-progress.
- Client representative and implements the client's needs.
- Performance management and oversight of productivity.

Aircraft Fuel System Specialist, NYS Air National Guard: 2008-2018

- Trained and led multiple national guard units.
- Repaired and maintained aircrafts.
- Work inspections following completion of airmen duties.

Armor Crewman, NYS Army National Guard: 1987-2002

- Security and recovery for national emergencies and global support.
- Perimeter security at ground zero during 9/11 aftermath.
- Deployed to St. Lawrence and Franklin Counties for an ice storm.
- Deployed to Stillwater and Mechanicsville for tornado cleanup.

ADDITIONAL EXPERIENCE:

- **Circuit Provisioner, Circuit Tester, Dispatcher, Equipment Installer for 2G Deployment-WFI Inc: 2002-2005**
- **NE Construction Manager for XM Radio Repeater Project-LCC Inc: 2000-2002**
- **RF Engineer for Albany Market-Omnipoint/Voicestream (T-Mobile): 1996-2000**
- **Senior Cell Phone Tech-Cellular One (AT&T Mobility): 1992-1996**

Telecommunications:

Tectonic, Capital District Regional Planning Commission, Broadband Senior Project Manager - Supported the Commission's documentation of BSLs and existence or absents of fiber for submittal of challenges to ConnectAll. These efforts helped shape ConnectAll's grant areas for consideration of BEAD grant funds. Worked closely with the Commission and our partner companies to develop opportunities for fiber services in unserved and underserved areas of the region. Assisted and trained others in the ways of fiber build requirements by identifying opportunities and challenges along proposed installation routes. For upcoming projects, developing testing plans and training of contractors to respond to official coverage challenges of both wireless and wired broadband service that have been submitted by municipalities.

Tectonic, Cumberland-Salem Counties Middle Mile Fiber Broadband Network, Senior Project Manager - Review and compiling comprehensive material to provide the team with information pertaining to items of interest along the 220-mile proposed fiber route in Cumberland and Salem Counties NJ. Investigating and documenting utility poles that may need replacing due to loading or height issues. Identifying railroad crossings and major highway crossings that may require special attention to get over or under. Potentially implementing horizontal boring or pole upgrades.

Tectonic, Lake Champlain Lake George Regional Planning Board, Broadband Senior Project Manager - Supporting the development and execution of regional broadband initiatives by utilizing extensive project management skills to ensure successful execution for developing fiber services in unserved and underserved areas of the region. Assisted and trained others in the ways of fiber build requirements by identifying opportunities and challenges along proposed installation routes. For upcoming projects, developing testing plans and training of contractors to respond to official coverage challenges of both wireless and wired broadband service that have been submitted by municipalities.

AT&T Mobility, East Regional Transport Senior Technical Project Manager - Project managed 39 Out of Franchise Ethernet carriers in their deployment of new transport circuits to AT&T cell sites in markets ranging from the Virgin Islands to Maine, and as far west as Michigan. Assisted Market level PMs in escalations to regional and national teams, sharing of best practices and processes. Created and maintained monthly reports for internal director level management.

AT&T Mobility, New England Transport Manager - Project managed deployment of over 2000 Ethernet circuits to cell sites allowing for integration of ATI's conversion from T1s to fiber and 3G technology. Communicated with internal customers such as site construction team and external transport providers helping to improve site turn up intervals.

AT&T Mobility, Upstate NY Cost of Service Analysis - Identified and managed projects to control and cut costs from operational and engineering budgets. Created and distributed executive level reports.

AT&T Mobility, Upstate NY Transport Manager - As part of the beta team, tested the XNG program by Granite and helped the data migration from spreadsheets to that program for all TDM circuits connecting cell sites to switches and trunking to external entities like 911 and wireline providers. Supervised department personnel by assigning and directing daily tasks as well as evaluating performance to enhance productivity and resolve problems. Managed the team responsible for all design, ordering and install of all transport elements between cell sites and switches for the UNY market. Designs were created in Granite and worked thru virtual front office platform currently run under the Synchronoss Technologies name brand.

YEARS OF
EXPERIENCE: 31

YEARS WITH
TECTONIC: 23

EDUCATION:

B.S., Surveying / Engineering; State University of New York; Alfred State College; Alfred, NY (1994)

A.A.S. Forest Technology, SUNY College of Environmental Science & Forestry, NYS Ranger School; Wanakena, NY

LICENSES:

Professional Land Surveyor:

- New York, #50440
- New Jersey, #24GS04326500
- Connecticut, #70300
- Florida, #LS7394

MEMBERSHIPS:

New York State Association of Professional Land Surveyors

Delaware-Hudson Land Surveyors Association

Theodore J. Haines, P.L.S.

Senior Vice President/Manager of Survey

SUMMARY:

Responsibilities include Quality Control, supervision of office and field personnel in preparation of Boundary and Topographic surveys, Construction Layout, Control Surveying (including G.P.S.), client contact, Proposals and Cost Estimation, and scheduling of field and office personnel.

RELEVANT PROJECT EXPERIENCE:

Morgan Stanley, Boundary Survey of 107 Acre Site, Harrison, NY, Supervisor - Tectonic performed a boundary survey of the approximate 107-acre site in Harrison, NY. Tectonic prepared mapping in AutoCAD format showing all visible improvements. The mapping showed all known property line and easement information and all visible improvements in relation to the property lines. The location of improvements was based on current aerial photographs and using aerial photogrammetric methods. The mapping was field edited to locate features not captured by the aerial mapping. (2014)

SPEC Consulting, LLC, Midland Terminal Surveying Services, Midland, PA, Supervisor - Tectonic performed a Boundary/Topographic survey of multiple parcels, approximately 125-acres, to study the feasibility of using the property for a new oil terminal. Tectonic also performed a laser scan of the existing tank area, picking up the location of storage tanks, piping and other site features.

Surveying Services, Cemetery of the Highlands, Highland Mills, NY, Supervisor - Tectonic provided construction layout surveying services for the expansion of a cemetery located in Highland Mills, NY. Scope of work included construction layout of drainage structures, new road system and cemetery plots. At the completion of construction, Tectonic will prepare an as-built of the new improvements. (2015)

New York City Department of Design and Construction, 224th Street Improvements, Queens, NY, Supervisor - Tectonic performed a topographic survey of approximately 12,531 linear feet of streets located in Queens. Streets included were from 227th Street to 230th Place from 145th to 149th Avenue and 145th Avenue to 149th Avenue from 225th Street to 227th Street. The survey was a DEP type survey which includes a detailed topography of the entire route including location of all utilities. This project involved the establishment, location and mapping of all right-of-way lines, property lines, surface features and subsurface features including utilities with spot elevations and capacities. The mapping requirements required the preparation of profiles of the street centerline, storm and sewer lines. The purpose of the mapping is for the design of the reconstruction of the street and/or infrastructure. (2015)

New York City Department of Design and Construction, Project ID MED616-Water Main West 124th - East 124th St., Manhattan, NY, Client Manager, Supervisor - Tectonic performed a topographic survey of approximately 8,372 linear feet of streets located in Manhattan. Streets included were portions of West 124th Street, East 124th Street Adam Clayton Powell Blvd. Mt. Morris Park West, Madison Avenue, 3rd Avenue and 2nd Avenue. The survey was a DEP type survey which includes a detailed topography of the entire route

including location of all utilities. This project involved the establishment, location and mapping of all right-of-way lines, property lines, surface features and subsurface features including utilities with spot elevations and capacities. The mapping requirements required the preparation of profiles of the street centerline, storm and sewer lines. The purpose of the mapping is for the design of the reconstruction of the street and/or infrastructure. (2015)

Town of Greenburgh, NY, Land Surveying Services, Greenburgh, NY, Survey Manager - Tectonic performed a topographic survey of approximately 6,500 lineal feet of roadways as shown on the sketches provided by the Town. The survey included the location of all improvements within the rights of way plus 10 feet outside the right of way on both sides. The right of way lines and easements were shown based on evidence found in the field and filed maps and deeds obtained from the Westchester County Clerk's Office. Spot elevations were taken and contours were shown. Adjoining owners with section, block and lot number were shown along rights of way. Spot elevations were shown on items within the limits above on corners and entrances to buildings, tops and bottoms of curbs and walls, centerline of road, drop curbs and trees. Utilities were shown based on markout, provided by utility companies, and/or plans obtained from utility companies providing service in the area. The vertical datum for the project will be NAVD 1988. (2015)

Dutchess County Department of Public Works, Topographic Survey of Broadway, Village of Tivoli, NY, Survey Manager - Tectonic performed a boundary/topographic survey of a small parcel in the Village of Tivoli, a vacant lot on the west side of Stoney Creek along the southerly side of Broadway. The survey included the location of above and below utilities, trees greater than 6" diameter, rock out crops, the location of the right-of-way line and several easements. The easterly property line of the parcel was the high water line of Stony Creek (also known as White Clay Kill) as located in the field at the time of the survey. The County used the results from this survey for planning purposes. (2014-2015)

New York City Department of Design and Construction, Water Main Replacement Tower Pressure, Manhattan, NY, Supervisor - Tectonic performed a topographic survey of approximately 18,100 linear feet of streets located in Manhattan. Streets included were from 183rd Street to 190th Street between Broadway, Wadsworth and Amsterdam and 170th and 175th between Broadway and Amsterdam. The survey was a DEP type survey which includes a detailed topography of the entire route including location of all utilities. This project involved the establishment, location and mapping of all right-of-way lines, property lines, surface features and subsurface features including utilities with spot elevations and capacities. The mapping requirements required the preparation of profiles of the street centerline, storm and sewer lines. The purpose of the mapping is for the design of the reconstruction of the street and/or infrastructure. (2014)

New York City Department of Design and Construction, Project ID QED-1012 Water Main on Waldo Avenue, Bronx, NY, Supervisor - Tectonic performed a topographic survey of approximately 9,523 linear feet of streets located in Bronx. Streets included were portions of Waldo Avenue, West 236th Street, West 238th Street, Greystone Avenue, Dash Place, West 240th Street, Riverdale Avenue, Johnson Avenue and West 259th Street. The survey was a DEP type survey which includes a detailed topography of the entire route including location of all utilities. This project involved the establishment, location and mapping of all right-of-way lines, property lines, surface features and subsurface features including utilities with spot elevations and capacities. The mapping requirements required the preparation of profiles of the street centerline, storm and sewer lines. The purpose of the mapping is for the design of the reconstruction of the street and/or infrastructure. (2014)

Town of Fairfield, CT, Brett Woods Open Space Survey, Fairfield, CT, Project Manager - Survey was performed through 186 acres of rugged terrain requiring clearing and hiking for long distances. Tectonic was contracted to perform a boundary survey of 186 acres of property the Town acquired for their open space program. The property consists of 14 individual contiguous parcels that were purchased from multiple owners. Tectonic produced a composite map showing all the properties on one map as well as individual maps and legal descriptions for all 14 parcels. Tectonic also monumented the perimeter of the 186 acres and also each individual parcel. Tectonic performed research for all 14 properties at the Town Clerk's office. (2014)

New York City Department of Design and Construction, Gansevoort Marine Transfer Station, New York, NY, Supervisor - Tectonic was tasked with updating our 2001 Boundary/Topographic map of the Gansevoort Marine Transfer Station. The new map was to be used for the decommissioning of the transfer station and possible transformation into a recyclable trash processing facility. Tectonic perform a boundary/topographic survey of the entire site and a portion of Gansevoort Street and West Street. (2013)

YEARS OF
EXPERIENCE: 20

YEARS WITH
TECTONIC: 17

EDUCATION:

B.S., Environmental Science, Plattsburgh State University; Plattsburgh, NY (2006)

LICENSES:

Professional Land Surveyor:
• New York, # 051084

COMPUTER/EQUIPMENT SKILLS:

Autodesk Land Development Desktop

AutoCAD Civil 3D

Leica Geo Office

Nikon Total Stations

Leica 1200 GPS Receivers

Dominick Santini IV, P.L.S.

Senior Surveyor II

SUMMARY:

As Senior Surveyor, responsibilities include quality control, supervision and scheduling of office and field personnel, client contact, project management and also assist in preparation of proposals, and cost estimates. Additional responsibilities include analysis and computations of field and legal data for the preparation of boundary surveys, reduction of GPS data, control network analysis and performance of more advanced computations.

RELEVANT PROJECT EXPERIENCE:

New York City Department of Design & Construction; Term Agreement for Surveying Services; New York, NY; Senior Surveyor - Responsible for quality control, analysis and computations of field and legal data. Tectonic is providing as-needed land surveying services for topographical and property line maps, plan and profile maps, and/or damage maps, and related services for projects located in the boroughs of Manhattan and Queens. All drawings are prepared in AutoCAD format to NYC Department of Design and Construction standards and specifications. Some of the most recent projects include the Ganesvoort Marine Transfer Station in Manhattan, 224th Street topographic survey in Queens, Times Square including portions of Seventh Ave, Broadway and all crossing streets from 4th Street to 49th Street and the entire length of 34th Street in Manhattan.

New York State Fairground Pole Inventory; Syracuse, NY; Survey Technician - Tectonic provided a map showing the location of power poles within the State Fair Grounds. The map was utilized for the design of the installation of multiple small cellular sites to increase the quality and capacity of the cellular network inside the Fairgrounds. Due to the spread of the power poles in the Fairgrounds, Tectonic used its mobile mapper to locate all the poles. A final map provided to the Client showed the location of all 175 poles, the coordinates of the pole center, and the height of the pole above ground level. Individual pictures of all of the poles were provided using the Ladybug Camera included in the Mobile Unit so the Client could determine the type of pole, the condition of the poles and feasibility for mounting cellular antenna's on them. (2017)

TRANSPORTATION:

Village of Ossining, NY; Topographic Survey of Spring and Lafayette Streets; Ossining, NY; Senior Surveyor - Responsible for quality control, analysis and computations of field and legal data. Tectonic is performing a topographic survey approximately 5,300 feet of Spring & Lafayette Streets in the Village of Ossining. Mapping is being prepared in AutoCAD format in accordance with the "Land Surveying Practice Guidelines" established by the New York State Board for Engineering and Land Surveying. All work will be performed under the direct supervision of a Land Surveyor licensed in the State of New York. The mapping will show all items as listed on the Survey Requirements provided, including but not limited to: right of way line and easement information and all visible improvements, roadways, structures, etc. with a 1-ft contour interval, and spot elevations on all flat surfaces and improvements, including rims and inverts on all sanitary and drainage structures. Spot elevations will be to the nearest 0.01-ft on hard surfaces and 0.1-

ft on soft surfaces spaced no more than 50-ft apart. Limits of topography include sidewalks, walls, steps and curbing for the full width of the streets. Vertical data will be based on the North American Vertical Datum of 1988. (2022 - Ongoing)

Town of Hempstead, NY; Northern Hamlet Survey; Hempstead, NY; Senior Surveyor - Responsible for analysis and computations of field and legal data for the preparation of boundary surveys, reduction of GPS data, control network analysis and performance of more advanced computations. Tectonic provided topographic mapping for 17,600 lineal feet of streets to be used for road and sidewalk improvements including drainage, grading and ADA ramps. The survey was performed using a combination of survey techniques including traditional total station and mobile LiDAR. Topography was mapped for the full width of the road including up to 4 feet behind the existing sidewalk. Spot elevations were shown at 25 ft. spacing perpendicular to a baseline established in the center of the road. The spot elevations were shown at centerline of road, top and bottom of curb, front and back of side walk and 4 ft. behind the sidewalk. The baseline was laid out in the street and paint dots were set as benchmarks every 25' on the sidewalk to be used by the contractor during construction. (2020)

Town of New Castle, NY; Millwood Sidewalk Improvement; Millwood, NY; Senior Surveyor - Responsible for quality control, analysis and computations of field and legal data. Tectonic performed a boundary/topographic of approximately 3 miles of the Croton Turnpike. Topography was performed using a combination of two- and three-man field crews to increase efficiency. Topography was shot at a maximum spacing of 50 feet along the centerline and edges of pavement and at all site features. The right of way was established by tying into State Surveyor field records from 1923, to re-establish the oldest known centerline. The 1923 centerline was offset 33 feet each direction to establish the sidelines as per the 1908 Turnpike Commission's statute. As part of this project, Tectonic produced several Acquisition Maps to create permanent easements and fee taking per NYS DOT Standards. (2016 - 2021)

New York City Department of Design & Construction; Complex Pedestrian Ramps; Queens, Brooklyn & Manhattan, NY; Senior Surveyor - Responsible for quality control, analysis and computations of field and legal data. Tectonic performed boundary/topographic surveys 3 major intersections located throughout New York City. he surveys were performed using a combination of techniques including mobile LiDAR, terrestrial scanning, and traditional field methods (total stations and digital levels). Each method was superimposed using the same control and verified to ensure they matched. he surveys covered the full intersection plus 150 ft. in all directions along the right of way (ROW) and up to 25 ft. behind the ROW. The right of way was established using field evidence and record documents. The topography was highly detailed and included all improvements such as curbs, walks, buildings, tree pits, valves, manholes, vaults, subway grates, utility poles, etc.

Unicorn Construction; Open Road Tolling Marine Parkway & Avenue Cross Bay Bridge; Queens, NY; Survey Technician - Responsible for drafting final maps in AutoCAD Civil 3D. Tectonic provided construction layout of the foundation for the new open road tolling system being installed at each bridge. Tectonic was provided control and checked into existing site plan to ensure proper placement and check elevations. Layout included location of the foundations for the overhead gantries and bolt patterns, drainage structures, the new edge of pavement and the concrete pavement construction joints. After the foundations and bolts were installed Tectonic performed an as-built to determine the location and distance between bolts for fabrication of the new gantry. (2017)

New York City Department of Design & Construction; Staten Island Water Main; Staten Island, NY; Senior Surveyor - Responsible for assisting with final set plans which included control sheets, clean base plan, topographic plan, highway profiles, and utility plan and profile. Tectonic performed boundary/topographic surveys of approximately 21,000 LF of streets. The surveys were performed using a combination of techniques, mobile LiDAR, terrestrial scanning, and traditional field methods (total stations and digital levels). Each method was superimposed using the same control and verified to ensure they matched. The surveys covered the full width of the right of way plus 100 ft. up all side streets and up to 25 ft. behind the ROW. The topography was highly detailed and included all improvements such as curbs, walks, buildings, tree pits, valves, manholes, vaults, subway grates, and utility poles, etc. Baselines were established on all roads. Utilities were mapped based on visible surface features and record plans obtained from providers servicing the area. Rim and invert elevations of all sanitary and storm sewers were field measured and included on the final map. Profiles of the centerline of road, bottom face of curb, top back of curb and back of walk were all drawn referenced to the centerline baseline.

YEARS OF
EXPERIENCE: 29

YEARS WITH
TECTONIC: 12

EDUCATION:

Ph.D., Civil Engineering and Engineering Mechanics, Columbia University; New York, NY (2004)

M.S., Civil Engineering and Engineering Mechanics, Columbia University; New York, NY (2001)

B.S.C.E., Civil Engineering, Virginia Polytechnic Institute & State University; Blacksburg, VA (1996)

LICENSES:

Professional Engineer:

- New York, #078832
- New Jersey, #24GE04308300
- Pennsylvania, #086008
- Florida, #PE98234

CERTIFICATIONS:

Project Management Professional (PMP)

Master's Certificate in Project Management, George Washington University

MEMBERSHIPS:

American Society of Civil Engineers (ASCE)

Association of State Dam Safety Officials (ASDSO)

New York State Society of Professional Engineers (NYSSPE)

Christopher Burke, Ph.D., P.E., P.M.P.

Senior Vice President of Geotechnical Services

SUMMARY:

As Senior Vice President of Geotechnical Services, Dr. Burke is responsible for overseeing the day-to-day operational management of the geotechnical engineering department and provides technical guidance to project managers and support staff on geotechnical and civil engineering design and construction projects.

Dr. Burke collaborates closely with executive leadership to implement strategic initiatives, ensure efficient project execution and to maintain our high standards of quality and safety for operational excellence.

His geotechnical engineering experience includes management of site investigations incorporating soil and rock borings, borehole image processing, test pits, piezocone testing, piezometers, monitoring wells, inclinometer installation and monitoring, and rock structure/ geologic mapping, as well as engineering evaluations and geotechnical report preparation. Additional responsibilities include engineering evaluations and geotechnical report preparation for the design and construction of buildings, roads, earth dams, telecommunications projects, and utilities.

Dr. Burke has 29 years of experience with the majority focused on subsurface investigations, dam and geotechnical engineering.

RELEVANT PROJECT EXPERIENCE:

TRANSPORTATION:

7114 County of Orange; Geotechnical Term Agreement, Various Locations, NY; Vice President of Geotechnical Services - Tectonic was awarded a multi-year Term Agreement with Orange County DPW to provide geotechnical engineering services on an "as-needed" basis for various projects throughout Orange County, NY. Tectonic provided engineering services for geotechnical soil investigation relating to various bridge and culvert design projects on an "as-needed" basis. These services include, but are not limited to, performance of subsurface investigations, evaluations of soil material stability, the performance of stability and settlement analyses, preparation of geotechnical reports with recommendations for best suited foundation types and methods for temporary and permanent control of groundwater. Projects to date under this term agreement include: *Ford Bridge, Horan Bridge, and Rutgers Glen Bridge.* (2013 - On-Going)

Term Contract for Geotechnical and Environmental Services, Port Authority of NY & NJ; Project Manager - Tectonic is providing expert professional geotechnical and environmental boring and field services as requested on a "Call in" basis since 2001 for various locations. These services include subsurface investigations, inspections of soil test borings, rock coring, monitoring well installation, and soil identification. Preparation of detailed logs of the daily work for review by the Port Authority Supervisor. Projects completed thus far include the Freedom Tower (WTC site), Lincoln Tunnel, Goethals Bridge, JFK Airport - Terminals 5, 6, 8 and 9 Redevelopment - Parking Garage; Staten Island Railroad Connection to Chemical Coastline, Elizabeth, NJ; Teterboro Airport Taxiways P & Q Extensions, Teterboro, NJ; PATH - Grove Street Station, Jersey City, NJ; Newark Airport -

EWR South Fuel Farm Subsurface Remediation; Stewart Airport Runway and LaGuardia Airport Expansion.

11642.00 Westchester County DPW; Term Contract for Geotechnical Services & Materials Testing Services; Westchester County, NY; Project Manager - Tectonic is currently providing geotechnical and materials testing services to the Westchester County Department of Public Works and Transportation on various capital projects throughout Westchester County, NY. Dr. Burke is providing oversight for all geotechnical services including subsurface investigations and preparing geotechnical engineering reports consisting of soils analysis and foundation design recommendations. Tectonic is also undertaking exploratory work including but not limited to soil borings, rock coring, and other sampling methods; survey work; and maintenance and protection of traffic necessary to perform the subsurface exploration. (2022-2025).

7051 - 11885.00 County of Dutchess; On-Call Term Contract for Professional Engineering Services; Dutchess County, NY; Vice President of Geotechnical Services - Tectonic is currently providing the Dutchess County Department of Public Works with professional civil, geotechnical and structural engineering services, environmental services, and construction inspection services for various Federal and County-aid funded projects located throughout Dutchess County. Services typically included bridge inspection, bridge and culvert design, hydraulic & hydrologic studies, stormwater design and management, subsurface investigations, laboratory testing, geotechnical analysis, preparation of flood studies, construction phase geotechnical services, wetland delineations, environmental site assessments, permitting and compliance, threatened and endangered species studies, and utility design review. Other services typically included contract administration, inspection of all construction activities, maintaining all project records per MURK requirements, monitoring on site safety including maintenance and protection of traffic, checking all construction layout, performing materials testing and ensuring that all contract work conforms with the project plans and specifications.

11953.01 County of Sullivan; Sullivan County International Airport; White Lake, NY; Vice President of Geotechnical Engineering - Responsible for technical review and management of the performance of a geotechnical investigation and engineering evaluation for the new terminal building located at the Sullivan County International Airport, County Road 183A, White Lake, Sullivan County, New York. Services for the proposed new terminal building included drilling, sampling, and logging of four (4) test borings in the area of the proposed building. Tectonic representatives and NYS licensed engineers observed drilling operations, the subsurface investigation, classified soil, and rock samples as they were recovered, collected representative samples for laboratory testing, and prepared logs of the soil and rock conditions encountered. Laboratory testing was performed on select soil samples to assist in evaluating the engineering properties of the soil and to verify in the classification of the soils. A geotechnical engineering evaluation of the subsurface conditions as they relate to the proposed building's foundations were performed. A geotechnical report was then prepared, which presented the results of the subsurface investigation, laboratory testing, engineering analyses, and geotechnical recommendations for the design and construction of the building's foundations (2023).

10239.04 County of Dutchess DPW; Dutchess Stadium; Wappingers Falls, New York; Project Manager - Tectonic performed a geotechnical subsurface investigation and analyses for a roughly L-shaped, one- to two-story Team Building that will be located immediately north of the stadium's bleachers and wrapping around the left field foul pole to include new bull pens beyond the left field fence. To evaluate the existing subgrade conditions and existing soils' capability to support the proposed building, Tectonic conducted a subsurface investigation, consisting of ten (10) borings. An analysis was performed and a geotechnical report, which provided our geotechnical recommendations for the design and construction of proposed building, was provided (2021).

11169.01 Orange County DPW; C R32 (Mill Street) Evaluation; Cornwall, NY; Project Manager - Provided oversight for observed slope failure is located on a slope west of the southbound lane of Mill Street (County Route 32), which is located between the roadway and the east bank of Moodna Creek in the Town of Cornwall. The head scarp (the highest portion, or top of the failure surface) has been observed at a point that is now less than 30 feet from the southbound edge of the road. Observations show that the face of the slope varies, with the slope angle near the head scarp approaching a near-vertical condition. Tectonic's scope included the review of publicly available aerial photographs and other information related the existing slope failure, to assess the rate of progress of the failure and estimate future progress; prepared a desk-top model of the existing slope, evaluate its relative stability, and evaluate potential causes of the ongoing failures though the use of publicly available topographic information, site observations and our knowledge of the local soils; discussed potential remedial actions to stabilize the roadway and/or the existing slope, and developed three stabilization options; performed

a preliminary cost assessments of three potential stabilization options; and prepared an engineering report presenting the results of the geotechnical assessment, geotechnical recommendations for remedial options to stabilize the subject slope, and estimates for stabilizing the existing conditions (2021-2022)

TELECOMMUNICATIONS:

6492 Ulster and Dutchess Counties, NY; Pinnacle Wireless 4G Upgrade Program; Ulster and Dutchess Counties, NY; Senior Engineer - Responsible for geotechnical investigations, engineering analyses and engineering reports for twelve locations throughout Ulster and Dutchess Counties. Existing foundations were analyzed for additional loading conditions due to new 4G equipment added to the tower. (2013-2014)

WATER RESOURCES:

10528.01-0 2; EA Engineering Science and Technology Inc.; Old Upper Mountain Road - Geotechnical Evaluation for New Gravity Sewer Alignment; Lockport, NY; Project Manager - Tectonic performed a subsurface investigation and geotechnical engineering evaluation for a new gravity sewer alignment, utility - rail crossings, and an access road in the Town and City of Lockport, Niagara County, New York. The new sewer main was proposed to be a gravity sewer that needed to pass beneath a storm sewer and cross beneath Otto Park Place and the CSX railroad to the southern end of Gulf Creek. Construction of the new sewer main required a geotechnical engineering evaluation and design work for bedding, manholes, excavation support, and for the installation of the 30-inch inside diameter sewer main. The subsurface investigation consisted of drilling a total of 43 test borings along the planned sewer alignment and near the access road into Gulf Ravine. Standard Penetration Testing (SPT) and split-spoon sampling were generally performed continuously throughout the depth of soil encountered within the borings. Geotechnical engineers observed the subsurface investigation and prepared logs of the subsurface conditions under the purview of a Professional Engineer licensed in New York State. Laboratory testing was performed on soil and rock samples selected to help refine the field identification and aid in establishing the engineering properties of the soils and rocks encountered in the borings. An engineering report presenting the results of the subsurface investigation and geotechnical recommendations for the design and construction of the sewer main was prepared. Dr. Burke is providing oversight for all geotechnical services (2020-2023).

10834.01 Suez Water; CDM Smith; Engineering Services for SUEZ PFOS Treatment Plants; Rockland County, NY; Project Manager - Tectonic completed three subsurface investigations and geotechnical engineering evaluations for the proposed construction of new PFOS treatment buildings in the Villages of West Hempstead, Tappan and Viola. The purpose of these investigations was to provide geotechnical design recommendations for the proposed construction of each new building. The subsurface investigations consisted of the drilling, sampling, and logging of various test borings and SPT at all sites. All drilling, sampling, and logging of the borings and standard penetration testing at each location were performed under the full-time observation of a Tectonic representative working under the supervision of a Professional Engineer licensed in the State of New York. A geotechnical report presenting the results of the subsurface investigation, engineering analyses, and our geotechnical recommendations for the design and construction of the proposed treatment buildings was presented to the client. Mr. Burke provided oversight and technical direction for the geotechnical staff (2021).

5775.01 Village of Warwick, NY; Upper, Middle & Lower Warwick Reservoir Dams; Warwick, NY; Project Manager - Responsible for the inspection and evaluation of the Village's three reservoir dams and appurtenant structures following flooding associated with Tropical Storm Irene. Provided consultation and documentation for Emergency Authorization by the NYSDEC and the obligation of funding by FEMA for the various required repair projects. These projects included repairs to a severely eroded area of the Upper Reservoir dam crest and downstream embankment following overtopping, undermining and collapse of the Upper Reservoir Dam spillway, damage to the Upper Reservoir intake sedimentation basin, control piping, and debris buildup in the Middle and Upper Reservoirs. Prepared construction and permit documents and provided inspection oversight during construction. (2013-Present)

EDUCATIONAL:

11476.01 Tetra Tech Architects & Engineers; WCSD-Geotechnical Evaluation at Walkkill High School and Ostrander Elementary School; Shawangunk, NY; Vice President of Geotechnical Services - Tectonic completed a subsurface investigation and geotechnical engineering evaluation for site improvements to Walkkill High School and Clare F. Ostrander Elementary School. The purpose of this investigation was to evaluate the subsurface conditions and to provide geotechnical recommendations for design and construction of the proposed site improvements. The subsurface investigation consisted of drilling, sampling, and logging of eleven (11) borings; three (3) pavement

borings; and the performance of fifteen (15) infiltration tests. Field inspection services were conducted by Tectonic representatives, working under the purview of a New York State licensed Professional Engineer, which included locating the borings, infiltration tests, and logging and classifying all soil samples. The results of the subsurface investigation, engineering analyses, and our geotechnical recommendations were presented to the client in a geotechnical report. Dr. Burke was responsible for the overall technical review and report findings (2022).

11289.01 Dattner Architects; West Point Thayer Hall Swing Space Design-Build; West Point, NY; Geotechnical Engineer of Record - Tectonic was contracted to provide civil and geotechnical engineering services in the development of West Point's Thayer Hall Swing Space. duties included: detailed review of the Government's geotechnical report of record; full-time field inspection services (test pit program, visual inspection of subsurface conditions); preparation of geotechnical engineering summary, incorporating previous report results along with new data; and provision of asphalt pavement section designs (2021-2022)

4370.00 DAS NY; Term Geotechnical Engineering & Construction Inspection Services Contract; Various Locations, NY; Senior Geotechnical Engineer - Tectonic was awarded a multi-year Term Agreement to provide geotechnical engineering and construction inspection/materials testing services for various State Facilities, and recently received "Notice to Proceed" for a follow-up contract through 2015. Tectonic is currently providing geotechnical evaluations, controlled inspection and materials testing services for soils, concrete, masonry, asphalt, and structural steel materials, preparation of inspection reports and performance of on-site investigations. Other duties include pile driving inspection and load testing, caisson and earth anchor inspection and in-situ testing of footing subgrades. Tectonic is also responsible for technical inspection and administration of pile driving and sub-grade inspection, inspection of steel, fabrication, and erection as per design specifications; and pre-construction services involving surveying and assessing the existing condition of the adjoining buildings. (2015 - Ongoing)

POWER & ENERGY:

11907.01 NYPA; TRC Engineers, Inc/Clean Path New York; Clean Path New York Northern Converter Station; Delhi, NY; Vice President of Geotechnical Services - Tectonic completed a geotechnical investigation and engineering evaluation for the proposed new electrical converter station that will consist of electrical transmission equipment supported on concrete pads. The subsurface investigation consisted of the drilling, sampling and logging of thirteen (13) test borings, four (4) offset borings, four (4) probes and Standard Penetration Testing (SPT). All drilling, sampling, and logging of the borings, infiltration testing, and soil resistivity testing were performed under the full-time observation of a Tectonic representative working under the supervision of a Professional Engineer licensed in the State of New York. The Tectonic representative classified and collected soil samples for laboratory testing at the boring locations as they were recovered, and prepared logs of the soil and groundwater conditions encountered. Geotechnical recommendations for the design and construction of the proposed converter station were presented to the client (2023).

11937.01 Ecogy Energy; Sandywoods Wind Turbine; Tiverton, Rhode Island; Vice President of Geotechnical Services - Tectonic performed a subsurface investigation and geotechnical evaluation for the proposed "Sandywoods" wind turbine installation to evaluate the subsurface conditions in the immediate area of the proposed wind turbine, and to provide geotechnical recommendations for design and construction of the foundation. The site improvements included the installation of a 151-foot tall (46 meters) wind turbine, with three (3) rotor blades creating a rotational diameter of 200 feet (61 meters). Additional site improvements include an approximately 12-foot by 20-foot concrete pad (located approximately 75-feet southwest of the base of the proposed turbine) for support of a 1.2 MVA step up, XFMR transformer, and a buried electrical line connecting the transformer west to a utility owned junction pole on Cornell Road. The subsurface investigation consisted of the drilling, sampling, and logging of four (4) test borings; Standard Penetration Testing (SPT) was conducted within the borings and was performed in general accordance with the requirements of ASTM Standard D1586 "Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils" (2023).

10856.01 Consolidated Edison Company; NRG Berrians East Development; 3101 20th Avenue Substation; Astoria Queens, NY; Project Manager - Tectonic performed a subsurface investigation in two phases that included the drilling of (2) test borings and the measurement of soil resistivity. Both borings were drilled outside the substation and laboratory testing was conducted on samples. Prepared logs of observed soil, rock and groundwater conditions and field resistivity tests, were performed by a Tectonic engineer. A finalized geotechnical report based upon data and soil samples that were collected during our geotechnical evaluations was provided to the client. Mr. Burke provided oversight of field observations and recommendations for the proposed structures to be supported, as defined in the Code (2021).

COMMERCIAL LAND PLANNING:

11642.03 Westchester County DPW; Muscote Farm New Bathroom Facility; Somers, NY; Vice President of Geotechnical Services - Tectonic performed a subsurface investigation and geotechnical evaluation for a proposed new bathroom facility located at Muscote Farm, in the Town of Somers, Westchester County, New York. The subsurface investigation consisted of the drilling, sampling, and logging of two (2) borings, field inspection and contractor oversight by engineering geologists and geotechnical engineers, laboratory testing of soil and rock samples, and performance of geotechnical engineering evaluations of the subsurface conditions as they relate to the proposed one-story building (2023).

11606.01; The Eastgate Group; US Route 202, Haverstraw, New York; Vice President of Geotechnical Services - Tectonic completed a subsurface investigation and geotechnical engineering evaluation for a proposed retaining wall to be located at the partially developed, rectangular shaped, 2-acre parcel south of U.S. Route 202 in the Town of Haverstraw, NY. The purpose of the investigation was to evaluate the subsurface conditions along the length of the proposed retaining wall and to develop recommendations for the geotechnical aspects of the retaining wall foundation design and construction. The subsurface investigation consisted of drilling, sampling, and logging of six (6) borings and six (6) rock probes. The rock probes were advanced between the borings along the proposed retaining wall alignment to obtain additional information about the bedrock profile. A geotechnical report presenting the results of the performed investigation, engineering analyses, and our geotechnical recommendations for the retaining wall foundation design and construction was presented to the client (2022-2023).

9885.01 WBLM 25 Maple Owner, LLC; 25 Maple Avenue Building and Garage; New Rochelle, NY; Project Manager - Tectonic provided geotechnical engineering services for the demolition of an existing asphalt parking lot and construction of an approximately 46,500 square foot, seven-story mixed-use building in New Rochelle, New York. Mr. Burke provided oversight for services that included drilling, sampling, and logging of fifteen (15) test borings to depths up to approximately 24 feet, field inspection by engineering geologists and geotechnical engineers, laboratory testing of soil and rock samples, performance of geotechnical engineering evaluations of the subsurface conditions as they relate to the proposed building's foundations, and preparation of a geotechnical report. The report presented the results of the subsurface investigation, laboratory testing, engineering analyses, and geotechnical recommendations for the design and construction of the building's foundations. The building was founded on bedrock and the project included large quantities of rock excavation (2016-2020).

LAND PLANNING:

11277; TRC Companies, Inc.; New York City Department of Parks & Recreation Capital Projects for Geotechnical Services; Various Locations in NYC; Project Manager - The New York City Department of Parks and Recreation Capital Project Campaign has more than 500 active projects to redesign and rebuild the city parks and recreational facilities. Tectonic was retained to provide geotechnical services for sites throughout New York City. Tectonic engineers and technicians conducted Permeability Testing, Standard Penetration Tests and provided boring oversight. The preparation of Boring Logs and Geotechnical Reports presenting the results of the investigation, laboratory testing, engineering analyses, and our recommendations for the various facilities, was signed and sealed by a NYS Professional Engineer and provided to the client. Dr. Burke provided technical review and management of the subsurface investigation and geotechnical engineering evaluation. (2022-Ongoing).

11647.01 Starr Whitehouse Landscape Architects & Planners; Renovation of Bear Mountain State Park; Bear Mountain, NY; Vice President of Geotechnical Services - Tectonic teamed with Starr Whitehouse on the complete renovation of Bear Mountain State Park in the vicinity of its principal campus surrounding and south of Hessian Lake. Located on the west bank of the Hudson River in Bear Mountain, NY (approximately 40 miles north of New York City) Bear Mountain State Park is one of the most visited state parks in NY. Tectonic is providing topographic surveys, utility location, CCTV of existing infrastructure, hazardous materials testing and management, subsurface investigations for new structures (vehicular bridges, comfort station, shade structures) and green infrastructure, stormwater management and stream daylighting design, and structural engineering design of new building and exterior elements. Mr. Burke is responsible for technical review and management of the performance of a geotechnical investigation and engineering evaluation. (2022-2027)

YEARS OF
EXPERIENCE: 41

YEARS WITH
TECTONIC: 16

EDUCATION:

**B.S., Business Management and
Human Resources (with Honors)**

LICENS ES/C ERTIFIC ATIONS:

- Board of Directors - Florida Wireless Association
- Member of the New York State Wireless Association
- Member of the California Wireless Association
- Member of the Carolina Wireless Association

HIGHLIGHTS:

- Telecommunications Project Management and Zoning Compliance
- Telecommunications Act of 1996
- Sec 6409 of the Middle Class Tax Relief and Job Creation Act (Spectrum Act)
- Infrastructure Act of 2021
- Broadband Equity Access and Deployment (BEAD)
- Environmental Review Including NEPA Reports, Phase I & II Reports and Federal & State Wetlands Compliance
- Environmental Process
- Title and Deed Review
- FAA Compliance
- Federal, State and Local Historic Preservation
- State and Local Building/Zoning Laws
- Land Development and Planning
- Land Development/Building Plan Interpretation
- Inter-Municipal Agreements
- Budget Forecasting and Administration
- Building and Facility Management Including Fire Safety
- Americans with Disability Act Accommodations
- Federal and State Grant Writing
- Previous Certified NYS Code Enforcement Officer

Gary Ferrara

Program Director

SUMMARY:

Mr. Ferrara is an accomplished professional with over forty years of experience working with telecommunications, building, planning and zoning laws. He is a diversified administrator with hands-on knowledge of all aspects of operating an efficient department and directing employees. He has proven ability in developing and establishing relationships with clients, government agencies and private industries. Mr. Ferrara served as the Client Manager for Verizon Wireless overseeing the real estate projects throughout the country supporting project start up and project progress. He has served as the direct client contact as Project Manager for T-Mobile's first phase of their Site Modernization Project from their Northeast Headquarters in New Jersey, and as Project Director for an aggressive time-framed generator installation project for Verizon Wireless at their Area Headquarters in North Carolina. He became Program Director managing the Site Acquisition & Engineering offices for four years in California. Recently, he nationally managed a Sprint relocation project for Lendlease and a several hundred site upgrade for US Cellular in five states. He managed the project for Southern California Association of Governments which produced a detailed Permit Streamlining Report and Model Ordinance that is being used as a resource throughout the State of CA. Currently, Mr. Ferrara is the Project Manager for Broadband Permit Streamlining projects aimed at reducing the broadband divide amongst unserved and underserved communities, and manages a multi-site build out for Motorola Solutions and their client, Washington Metropolitan Area Transit Authority. He continues to manage a new build out project for Aristotle Unified Communications LLC and Broadlinc for internet service in several states. For the past year, Mr. Ferrara has served on the Board of Directors for the Florida Wireless Association and is co-chairman of their annual charity golf event.

RELEVANT PROJECT EXPERIENCE:

Tectonic Engineering & Surveying Consultants P.C., Latham New York Office, Program Director- As Program Director, responsibilities include supporting the Vice President in management and marketing for Wireless and Broadband accounts. Mr. Ferrara is the direct representative to the client to ensure progress meets their expectations. He handles daily operation of the projects and meets regularly with Tectonic project managers. He represents the company to ensure future projects from the clients. Projects for the clients include new cell build/collocations, small cells, 5G technology upgrades, antenna changes, microwave upgrades, emergency generator installs and real estate tasks for fiber network installation to sites and Broadband buildout. He is an active member of an internal team that searches for, develops and responds to Requests for Proposals from public and private entities to market the company and ensure future projects.

General Dynamics Network Services, Needham Massachusetts, Site Acquisition Manager - As Site Acquisition Manager, responsibilities included managing a team for site acquisition and zoning in Western New York for a

1000+ site State-wide wireless network build out; establishing and managing local office for efficient operation of project; preparing various reports to document progress of project and budget projections; and attending meetings in Albany, NY to represent progress of project in Western New York. Clients included the State of New York, Office for Technology. (IE)

Wireless Facilities, Inc., San Diego, California, Zoning Manager - As Zoning Manager, responsibilities included managing zoning specialists for all aspects of successful zoning approvals; assisting site acquisition specialists in telecommunications site selection for appropriate zoning requirements; making recommendations for successful zoning approval; and preparing various documents to assist in documenting progress of sites. Clients included Verizon Wireless. (IE)

SBA Network Services, Inc., Boca Raton Florida, Zoning Specialist - As Zoning Specialist, responsibilities included negotiating leasing agreements within parameters established by client; assisting site acquisition specialists in telecommunications site selection for appropriate zoning requirements; making recommendations for successful zoning approval; attending and participating in meetings, conference calls and site walks to prepare site selections for zoning submissions; advising engineering firms as to zoning requirements and review drawings for zoning compliance; preparing applications and compiling documentation for zoning and building permit approvals; attending municipal board meetings to present and support applications for approval; and preparing various documents to assist in documenting progress of sites. Clients included AT&T, T-Mobile, Dobson/Cellular One, Horizon, and Sprint/IWO. (IE)

Town of Irondequoit, Rochester, New York, Director of Development Services - As Director of Development Services in a town with a population of 60,000, responsibilities included administering a staff of 15 full-time and 25 part-time employees of exempt and non-exempt union status. Mr. Ferrara was also responsible for land use planning and development and enforcing State and local building, fire safety and zoning laws, including writing and revising local laws. Furthermore, he administered the Information Management Systems committee that included networking, hardware and software assessments and support, and equipment purchasing and leasing, and was responsible for researching, preparing and revising policies, procedures and laws for execution. Lastly, Mr. Ferrara was responsible for public and media relations which included writing and executing legal notices, press releases, marketing of programs and actions taken by the department, and public presentations of the same. (IE)

YEARS OF
EXPERIENCE: 40

YEARS WITH
TECTONIC: 12

EDUCATION:

**B.S., Aeronautical &
Astronautical Engineering,**
Purdue University

LICENSES:

Professional Engineer:

- Florida, #43394
- New York #100245-1
- Alabama #38522-E
- Arkansas #19026
- Arizona #69625
- California #C91463
- Iowa #P25741
- Louisiana #43747
- Missouri #PE-2019011794
- Nebraska #E-17741
- New Mexico #25810
- Oregon #95360PE
- Wyoming #17416

James Mark Privette, P.E.

Manager of Engineering

SUMMARY:

As Senior Engineer and Project Manager in the Florida and South California markets, based out of our Tampa office since 2013, Mr. Privette oversees CAD and engineering staff who perform services on various sites throughout Florida and South California. Mr. Privette has served to provide significant design services to a wide variety of building and other land development projects. His experience encompasses a broad range of market sectors including residential, commercial, industrial, municipal, educational, agricultural, and religious facilities. He has participated in field investigations and evaluations of existing structures, prepared hydraulic/hydrologic studies, technical memos and reports, electrical and RF designs, and construction administration. Mr. Privette had his own engineering and surveying consulting firm for over 20 years and brings a substantial amount of that experience to his current position. He has prepared details and construction documents for a wide variety of Telecommunications, Land Development and Infrastructure repair, rehabilitation, alteration, replacement, and new construction projects

RELEVANT PROJECT EXPERIENCE:

American Water, Engineering Representative - As the client's Engineering Representative, responsible for all engineering reviews for telecommunication carrier upgrades of existing water tank installations (approximately 140 sites). Specific duties include performing peer reviews of construction drawings to ensure conformance with the client's standards and general engineering practices.

Verizon Wireless New Site Builds, Florida, Project Manager - As a Project Manager, served as the engineer of record for the design and management of approximately 120 wireless communication installations for Verizon Wireless throughout the State of Florida. Specific duties include site visits with client representatives, site planning, drawing review and coordination (lease exhibit, zoning drawing, and construction drawing), drainage calculations, structural analyses and designs, structural modification design, design of lightning protection systems, design of electrical systems, client correspondence, municipal code reviews, coordination with local utility companies, construction administration, and coordination of discipline specific tasks including geotechnical, survey, and environmental services. Also responsible for establishing project budgets, and ensuring completion of projects on schedule and within the established budgets.

Verizon Wireless PCS-LTE/AWS Upgrades, Florida, Project Manager - As a Project Manager, served as the engineer of record for the design and management of approximately 270 telecommunication site upgrades (PCS-LTE and AWS) for Verizon Wireless throughout out the state of Florida. Specific duties include general project coordination with client and in house engineering/drafting staff, leading project kickoff meetings, coordinating site visits, and review and seal all construction drawings and structural analyses. Also responsible for establishing project budgets, and ensuring completion of projects on schedule and within the established budgets.

Miscellaneous Projects, FL, AZ, CA, NY, MA, NJ, IN Project/Design Engineer - Served as a Project/Design Engineer as well as the Engineer of Record, for the design and management of a 2 MW Solar plant at NASA's Cape Canaveral complex. In addition, served as the

project/design Engineer and EOR for a Rail Spur project at Port Manatee. Worked as project/design engineer on a 5MW solar plant for the federal NIST agency complex in Maryland. In addition, worked as project/design engineer for various VZW Switch Center projects in NY, NJ and IN as well as solar plant projects in AZ, NY and CA. Specific duties include general project coordination with client, project design and calculations, management of in-house engineering/drafting staff, leading project meetings, coordinating site visits, and review and seal all construction drawings and pertinent analyses. Also responsible for establishing project budgets, and ensuring completion of projects on schedule and within established budgets.

Verizon Wireless PCS-LTE/AWS3/850-LTE/5G Upgrades, South California, Project Manager-As a Project Manager, served as the project engineer for the design and management of approximately 300 telecommunication site upgrades (PCS-LTE/AWS3/850-LTE) as well as 5G and LSub6 deployment for Verizon Wireless throughout South California. Specific duties include general project coordination with client and in house engineering/drafting staff, leading project kickoff meetings, coordinating site visits, and review all construction drawings. Also responsible for establishing project budgets, and ensuring completion of projects on schedule and within the established budgets.

Verizon Wireless Small Cell New-builds, South California, Project Manager - As a Project Manager, served as the project engineer for the design and management of approximately 125 small cell (utility/light pole) telecommunication sites for Verizon Wireless throughout South California. Specific duties include general project coordination with client and in house engineering/drafting staff, generation of Temporary Traffic Control Plans, leading project kickoff meetings, coordinating site visits, and review all construction drawings. Also responsible for establishing project budgets, and ensuring completion of projects on schedule and within the established budgets.

Verizon Wireless CRAN upgrades, South Carolina, Staff Engineer - As a staff engineer, performed CRAN assessments of approximately 60 telecommunication sites for Verizon Wireless throughout South Carolina. Specific duties include on-site assessments of the existing telecommunications facilities, general project coordination with client and in house engineering/drafting staff, and review of construction documents.

YEARS OF
EXPERIENCE: 14

YEARS WITH
TECTONIC: 5

EDUCATION:
Villa Park High School

MEMBERSHIPS:
Arizona Wireless

Larry "Allen" Rolison II

Senior Site Acquisition Specialist

SUMMARY:

Mr. Rolison is a Senior Site Acquisition Coordinator with nearly a decade of experience in the Telecommunications industry. He is responsible for completing lease package submittals, performing lease reviews, assisting with collocation applications, working closely with jurisdictions, and troubleshooting lease issues to ensure projects are completed on time and within budget.

RELEVANT PROJECT EXPERIENCE:

[10761 (28 Sites)] Verizon Wireless; CBAND/L-SUB6; Rochester, NY; Senior Site Acquisition Specialist - Performed all aspects of Site Acquisition from Lease review thru Construction Handoff including but not limited to; Design Review to limit rent increase, collocation application creation and submit, Lease Package Submittal, & BP submittal. Request and Track Pos, Request and Track all Deliverable. (Dec 2020)

[1749 (6 Sites)] Verizon Wireless; CBAND/L-SUB6; Rochester, NY; Senior Site Acquisition Specialist - Performed all aspects of Site Acquisition from Lease review thru Construction Handoff including but not limited to; Design Review to limit rent increase, collocation application creation and submit, Lease Package Submittal, & BP submittal. Request and Track Pos, Request and Track all Deliverable. (Dec 2020)

Multiple Projects; Electrical Submit Requests; Upstate NY - Review Information on hand, i.e. Site Walk Photos, LE, CDs, etc., to determine Power Provider, and Meter Size. Send request to appropriate Power Co. to obtain info needed for CDs for Small Cell, Raw Land, or New Collo Sites where carrier needs Power. (Sep 2022)

[11580 (33 Sites)] Verizon Wireless; eSNAP Lease Audit Review & Deliverable; Latham, NY; Senior Site Acquisition Specialist - Perform Lease Audit Review to Determine Lease Task Need. Create Audit Deliverable. (July 2022)

[11580 (51 Sites)] Verizon Wireless; eSNAP LL Notice; Latham, NY; Senior Site Acquisition Specialist - Prep and Send LL Notice for all Site determined Notice needed for Leasing during Lease Audit Review. (November 2022)

[11782 (35 Site Walks)] Verizon Wireless; 28GHz P2p Site Walks; Newport Beach.; Senior Site Acquisition Specialist - Review Prior Verizon Southern California Projects and look for Sites with Ground Equipment in Shelter or CMU to accommodate 28GHZ MWs in Equip Area. Looking Sites w/ No Amendment needed. Walk Sites if Sites will work for 28GHZ Project.

[11340 (9 Sites)] Broadline; A&E Site Walks, Tampa.; Senior Site Acquisition Specialist - A&E Site Walks (June 2022)

[11945 (8 Sites)] VZW MACRO New Build, Rochester; Senior Site Acquisition Specialist - Scrub & Drive 8 Search Rings looking for potential New Build candidates. 3 Collocations found with 5 Raw Land candidates. Submitted Collocation Applications for 2 of the Collocations (the third was an American Tower Site and was turned over to ATC). Worked

Raw Land Sites from Candidate Selection and ranking, through Design Visit coordination and started negotiations. (May 2023).

Multiple Projects; American Water Field Inspections; Latham, NY - Review Photos & CDs provided by GC. Verify site and field work was completed in accordance with the CDs, and no landscaping issues, or other "punch list items" needed taking care of. (Nov 2023)

[12416.001 & 12359.001] Cumberland - Salem Counties Middle Mile & Lake Champlain - Lake George Broadband Projects, Latham - Drive designated routes field verifying Fiber Line start & stop points. Reports created included photos, nearest address and cross street, pole tag info (if available), & coordinates (if available) (March 2024).

[12723.000] Cecil County - Maryland - Lodestar Energies Property Ownership Interest Project, Latham - Knock on doors of potential candidates to gage property ownership interest in potential Land Lease for Solar Farms (September 2024).

[12646 (70 sites) Verizon Wireless Small Cell Upgrade Project, Latham - Performed all aspects of Site Acquisition from Lease review thru Construction Handoff including but not limited to; Design Review to limit rent increase, collocation application creation and submit, Lease Package Submittal, & BP submittal. Request and Track Pos, Request and Track all Deliverable

[12971 (5 Sites) AT&T Generator Add Project, SoCal - Obtain additional Lease space for Generator. Negotiate terms for additional space if needed. Obtain LL Consent when additional space is not needed.

YEARS OF EXPERIENCE: 17

YEARS WITH TECTONIC: 12

EDUCATION:

A.A.S., Paralegal Studies,
Summa Cum Laude, ABA
Approved - Kellogg Community
College (2006)

CERTIFICATIONS:

Notary Public - Florida State

Kelly Smith

Project Coordinator

SUMMARY:

As Project Coordinator I am responsible for multiple tasks for a variety of projects in several of Tectonic's offices around the country. Some of my duties include: setting up new project folders, requesting opportunity & proposal numbers for new projects, requesting Work Order numbers for awarded projects, creating and updating Smartsheets to track project progress, setting up financials through project data sheets, entering client purchase orders into DelTek Vision, issuing Tectonic purchase orders to subcontractors, updating client databases on a daily and weekly basis, processing subcontractors invoices, meeting minute transcriptions, setting up Teams calls, coordinating with A&E to make sure we are meeting deadlines and putting together proposals for A&E tasks for multiple tower companies.

RELEVANT PROJECT EXPERIENCE:

Telecommunications:

Verizon -NY Metro Construction Management

As a project coordinator, I am responsible for setting up all financials in our system including requesting opportunity & proposal numbers for new projects and new work order numbers for awarded projects, requesting PORs in Fuze, utilize Fuze for coordinating with Landlords/Management Companies, A&E and GCs for access for various walks and construction via emails/phone calls, send out meeting makers, set up folders and pull reference docs from the client's database for bid packages, Request updated permits if necessary, update billing trackers on Smartsheet and add actualized walk dates in Fuze.

Verizon, NY (Northern and Western Tiers)

As a project coordinator, I am responsible for all site acquisition financials for our Rochester and Latham offices. I am also responsible for requesting opportunity & proposal numbers for new projects and new work order numbers for awarded projects. I prepared project data sheets to set up new sites, new phases and new tasks. I submitted purchase order requests using Verizon's Fuze database and templates directly to Verizon Real Estate Specialists. I submitted 3rd party purchase order requests directly to Verizon Real Estate Specialists. I was responsible for issuing Tectonic purchase orders to subcontractors. I also retrieved client purchase orders from Ariba and entered client purchase orders in DelTek Vision. (2018 - Current)

Lake Champlain-Lake George Regional Planning Board (LCLGRP)

As a project coordinator, I am responsible for setting up and attending all Teams meetings with LCLGRP, various jurisdictions and service providers and producing minutes in a timely manner. I am also responsible for setting up our financials in our system, issuing POs to our subcontractors and processing subcontractor invoices. (2023 - 2025)

SCAG Broadband

As a project coordinator, I am responsible for attending all Teams & ReDIT meetings and producing minutes in a timely manner, adding hyperlinks to the Permit Streamlining Report and Ordinance. I am also responsible for setting up our financials in our system, issuing Tectonic purchase orders to our subcontractors and processing subcontractor invoices. (11/2022 - 2025)

Verizon, Southern California

As a project coordinator, I am responsible for creating and upkeep of multiple Smartsheets and update Verizon's Fuze and Sitetraker (previous) databases on a daily and weekly basis including forecasting deliverable dates. I am responsible for uploading all deliverables to our files and in Verizon's Fuze database. I coordinate with A&E via daily meetings with our engineer and updating our deadline Smartsheet. I create new project folders on Tectonic's drives and retrieve reference documents from Verizon's Fuze database if applicable. I am responsible for uploading documents in Bluebeam for Verizon's DSA sites, retrieving redlined documents and sending to A&E to respond to, entering responses, adding bookmarks, thumbnails and hyperlinks to construction drawings and structural analyses. (11/2021 - 2024) (2016 - 2017)

Powerflex, Southern California

As a project coordinator, I am responsible for setting up new project folders and financials. I prepare project data sheets. I am responsible for adding client purchase orders in DelTek Vision. I am responsible for issuing Tectonic purchase orders to subcontractors and processing subcontractors' invoices. (2023 - current)

Tarpon Towers, UPNY

As a project coordinator, I was responsible for all site acquisition financials for our Rochester office. I prepared project data sheets to set up new sites, new phases and new tasks. I submitted purchase order requests and entered client purchase orders in DelTek Vision. I was responsible for setting up opportunity & proposal numbers for new projects and requesting new work order numbers for awarded projects. (2018 - 2021)

Various Tower Companies, Tampa

I am responsible for preparing proposals per requests for construction drawing or structural analysis revisions, setting up folders in our database, setting up opportunity & proposal numbers for new projects and requesting new work order numbers for awarded projects, setting up financials in our system with project data sheets and entering client purchase orders in DelTek Vision. (2013 - current)

Civil Engineering, Tampa

I am responsible for setting up project folders for various civil engineering projects, setting up financials in our system with project data sheets and entering client purchase orders in DelTek Vision. (2013 - current)

Verizon, Tampa

As a project coordinator, I was responsible for setting up opportunity & proposal numbers for new projects and requesting WO# for awarded projects, creating and the upkeep of multiple Excel trackers and update Verizon's Siterra and Sitetraker databases on a daily and weekly basis, including forecasting deliverable dates. I was responsible for uploading all deliverables to our files and in Verizon's database via their assigned laptop. I created new project folders on Tectonic's drives and retrieved reference documents from Verizon's database if applicable. I was responsible for all financials for the Tampa office. I prepared project data sheets to set up new projects, new phases and new tasks. I was responsible for retrieving client purchase orders from Ariba and entering them in DelTek Vision. I was responsible for weekly update calls with our Site Acquisition contractors to update our Excel Trackers and update Verizon Real Estate Specialists via Siterra and Sitetraker. I was responsible for issuing Tectonic purchase orders to subcontractors and processing subcontractors' invoices. I was responsible for reviewing site acquisition paperwork before sending to the project manager. I was responsible for plotting candidates on Google Earth for our SCIP packages. (2013 - 2018)

Business Development:

Proposals

I help Ed Martella, Ed Frawley, Mark Privette and Gary Ferrara with assembling proposals for the Tampa office by filling out required forms and notarizing them if necessary. I am responsible for updating Telecom staff resumes every year. (2020 - current)

Marketing

I am responsible for entering Leads we receive from our multiple conferences into DelTek Vision. I am responsible for setting up opportunity & proposal numbers and Marketing Campaigns in DelTek Vision for Ed Martella, Mark Privette, Calvin Gough, Jean Marie Frawley, Ed Frawley and Gary Ferrara. I helped put together a list of all the states broadband offices to reach out with our broadband brochures. I put together a list of condominium associations and condominium management groups to reach out to for the FL Milestone Initiative marketing campaign. I mailed out brochures and followed up with phone calls. I also helped setup Tectonic as exhibitors at multiple Condo and HOA Expo shows around Florida in 2023 and 2024. I sent brochures out to interested parties that we received from the Expo managers. (2020 - current)

Back Office Support:

I act as back up for all offices administration and BOS Manager, Jennifer Mealey, to cover vacations or overflow of requests, including project data sheets, pulling reference documents, entering client purchase orders in DelTek Vision and assigning requests to back office per individual office assignments. (2013 - current)

Previous Experience:

I worked for another engineering firm in Sarasota, Florida, from 2006 to 2013 where I was responsible for assembling civil permitting packages, submitting permit packages to various municipalities, general office duties, prepared and organized client files, scheduling appointments for our engineer and Vice President. I was responsible for doing pool and spa surveys and inspections when the work was completed. I was also responsible for invoicing and follow up if necessary.



dominic.villecco@vcomm-eng.com



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Exton, PA 19341



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Suite 102
Edison, NJ 08817

DOMINIC VILLECCO | PRESIDENT & FOUNDER

Dominic Villecco is a veteran and leader of the telecommunications industry, with more than 40 years' experience. He founded V-COMM, a top engineering consulting firm in the northeast, in 1996, after working as the Vice President of Comcast Cellular Communications for almost a decade. Villecco is a recognized expert in wireless systems, design, implementation and operation for the FCC. He is also a recognized expert witness for wireless cases in civil and criminal courts, and before zoning boards in Delaware, Michigan, New Jersey, New York and Pennsylvania.

WORK EXPERIENCE

PRESIDENT & FOUNDER | V-COMM, LLC

Edison, NJ (1996 – Present)

- Public safety, cellular, microwave, paging, LMDS and other wireless system design and implementation
- Client consulting, business plan, financing and contract/lease negotiation assistance

VICE PRESIDENT, ENGINEERING & OPERATIONS | COMCAST CELLULAR COMMUNICATIONS

Philadelphia, PA (1988 – 1996)

- Managed 140 staff members in the Engineering and Operations Department
- Negotiated leases, equipment, and interconnect contracts worth more than \$50 million

DIRECTOR, ENGINEERING | AMCELL CORPORATION

Atlantic City, NJ (1986 – 1988)

- Cellular system design and deployment, lease negotiation and implementation.
- Cellular system operations, regulatory filings

BROADCAST STAFF ENGINEER | SHERMAN & BEVERAGE ASSOCIATES

Marlton, NJ (1981 – 1985)

- FCC, FAA
- Broadcast system design
- Software development

STAFF ENGINEER | JUBON ENGINEERING

Marlton, NJ (1981 – 1985)

- Wireless system design (cellular, paging, two-way, microwave)
- FCC, FAA applications

ASSOCIATIONS & BOARD POSITIONS

PRESIDENT AND PRIOR CHAIR, PUBLIC SAFETY COMMITTEE | NEW JERSEY WIRELESS ASSOCIATION (NJWA)
MEMBER | THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
FORMER VICE CHAIR | DREXEL UNIVERSITY ELECTRICAL AND COMPUTER ENGINEERING ADVISORY COUNCIL
FORMER TECHNICAL CHAIR | REGIONAL PLANNING COMMITTEE 28

EDUCATION

BACHELOR OF SCIENCE / ELECTRICAL ENGINEERING – Drexel University, Philadelphia, PA

AWARDS

NG911 AWARENESS AWARD | NG911 Institute 2016

DISTINGUISHED ALUMNI AWARD | Drexel University 2001

V-COMM EXPERIENCE

Dominic Villecco was intimately involved and supported the following V-COMM projects:

Lake Champlain – Lake George Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Capital District Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Salem County, New Jersey

- Providing oversight and assistance to the County's Broadband Initiative to meet the objectives of the awarded grant

Cumberland County, New Jersey

- Developed Broadband Feasibility Study
- Middle Mile (Broadband) Grant Program Engineering Services
- Full Proforma and submission of Grant Application (*County was awarded federal funding*)
- 700 MHz System/Tower Design/Construction Management
- 700 MHz Project Management Services
- VHF System Expansion

U.S. Department of Justice, New York and Maryland

- Expert Witness Analysis Testimony on behalf of the FCC

Newark, New Jersey

- Public Safety 700 MHz Radio Network Expansion and Upgrade

Parsippany-Troy Hills, New Jersey

- 700 MHz P25 Phase 2 System Design and Implementation
- PSAP Recommendations

Cherry Hill Township, New Jersey

- P25 Phase 2 System Assessment, Recommendations, System Design and Implementation
- Cell Carrier Leasing/Coordination

Passaic County, New Jersey

- 5G Study for Economic Development

New York City Transit (NYCT)

- Department of Busses New 700/800 MHz TETRA Radio System
- Department of Subways New 800 MHz Above Ground Radio System

State of New Jersey

- LTE Broadband Network
- Comprehensive Public Safety Tower Planning

Burlington County, New Jersey

- P25 Phase 2 System Design and Deployment:
 - Site acquisition, RFP Development, System procurement, Implementation Oversight, and Integration, through the completion of System Implementation
- Cell Carrier Leasing/Coordination on County owned structures

Camden County, New Jersey

- NJ's First 700 MHz P25 – Phase 2 System Design and Deployment:
 - Site acquisition, RFP Development, System procurement, Implementation Oversight, and Integration, through the completion of System Implementation
- Tower Management Support
- Highway Construction Interchange Project – Repeater Design

Cape May County, New Jersey

- 700 MHz P25 Phase 2 System Design and Implementation
- VHF System Expansion
- PSAP Recommendations

South Canaan Cellular (Local Wireless Carrier) – Pike / Wayne Counties, Pennsylvania

- Build and Expand Cellular Network:
 - Coverage Analysis, Drive Testing, Tower Locations/Specifications, Network Performance

The Rose Casino

- Emergency Responder Radio Communications System and Distributed Antenna System Design and Implementation

Philadelphia, Pennsylvania

- 700/800 MHz P25 Phase 2 System
- Philadelphia International Airport 800 MHz radio system dispatch console upgrade
- Wireless broadband Assessment for Police, Fire & PWD

Two Penn Center, Philadelphia, PA

- DAS Neutral Host RF Engineering, Design, Integration, Maintenance and Monitoring

Wells Fargo Center Complex + NBC Sports Philadelphia

- DAS Relocation Design and Installation Management – Philadelphia, PA

PATH Stations (13 Stations between New York City and New Jersey)

- DAS Neutral Host RF Engineering and Design

Southeastern Pennsylvania Transportation Authority (SEPTA)

- Verizon Wireless Network Design/Build – Philadelphia, PA
- Intermodulation Analysis for compatibility with public safety and rail operating frequencies

Newark International Airport Neutral Host DAS

- DAS Neutral Host RF Engineering, Design, Testing and Certification

New York Police Department (NYPD) / Metropolitan Transit Authority (MTA)

- NYPD UHF Subway Radio Distributed Antenna System (DAS)
- Radiating Cable System - Full RF System Design, Testing and Site Surveys

NYC Subway DAS Wireless Network

- Wireless DAS for 278 Underground Stations
 - System design services included equipment requirements and specifications, overall system link budget designs for many frequency bands and operating systems, including commercial, public safety and unlicensed frequency bands, measurements and verification, technology and spectrum evaluation, system integration services, vendor coordination, fixed network designs, enhanced 911 coordination and support and other engineering support services.
 - Support tunnel system expansion with radiating cable, testing and field verification on subway cars, interference analysis and testing

Washington Metropolitan Area Transit Authority (WMATA)

- Public Safety P-25 Radio System
- FCC Licensing
- Project Management
- Subway system frequency acquisition

AMTRAK

- Surveys for link budget analysis, train car penetration, interference and noise floor levels of the Commercial Mobile Radio Service (CMRS) for Northeast Corridor

Port Authority of New York and New Jersey

- **Port Authority Trans-Hudson (PATH)**
 - Interference Mitigation, RF Engineering and Design of DAS of 14 stations between NY and NJ
 - On- Call Telecommunication Engineering Services
- **World Trade Center**
 - Intermodulation analysis and interference mitigation plan for Cellular and public safety DAS networks

Newark, New Jersey

- Public Safety 700 MHz Radio Network Expansion and Upgrade



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DAVID STERN | VICE PRESIDENT & CO-FOUNDER

David Stern is a 34-year veteran and leader in the telecommunications industry. He co-founded V-COMM, a top engineering consulting firm in the northeast, in 1996 after working for both Comcast Cellular and Motorola Solutions. Stern is a recognized expert in all wireless transmission formats: TDMA, CDMA, FDMA, OFDMA, GSM, 3G, 4G LTE, Wi-Fi, P25 and wireless data technologies. He currently sits on the technical committees for FCC's RPC Regions 8 and 28, providing guidance for frequency planning, 700 and 800 MHz usage and interference issues.

WORK EXPERIENCE

PRESIDENT & CO-FOUNDER | V-COMM, LLC

Edison, NJ (1996 – Present)

- Launched first PCS network in New York City
- Directed company in redesigning networks in several top-ten markets
- Oversaw upgrade of a number of public safety networks, including vendor RFPs, network design, equipment specifications and project management
- Expert Witness testimony in RF Engineering and RF Safety

DIRECTOR, ENGINEERING | COMCAST CELLULAR COMMUNICATIONS

Philadelphia, PA (1989 – 1996)

- Managed staff of 40 technical personnel
- Overall responsibility for network including 250 cells, 3 MTSO's, IS-41 connections, and fiber optic and microwave "disaster-resistant" interconnect network
- Directed implementation of emerging digital technologies, test and evaluation of pre-commercial CDMA, and testing and execution of CDPD data solution for Comcast

PROGRAM MANAGER | MOTOROLA SOLUTIONS, INC.

Arlington Heights, IL (1986 – 1989)

- Responsible for new systems and growth product implementation in entire New York/New Jersey/Philadelphia region

SYSTEMS ENGINEER | MOTOROLA SOLUTIONS, INC.

Arlington Heights, IL (1983 – 1986)

- Prepared FCC applications for Cellular Markets (101 – RSAs)
- RF and Systems Engineering for new Cellular Systems in Southeast
- Lead Engineer for initial Philadelphia Non-Wireline Cell System; site selection, site design, equipment engineering and frequency planning.
 - Site selection, site design, equipment engineering and frequency planning

EDUCATION

BACHELOR OF SCIENCE/ ELECTRICAL ENGINEERING
University of Illinois, Urbana, IL

V-COMM EXPERIENCE

David Stern works closely on all V-COMM's public safety and FCC licensing projects, specifically, he was intimately involved and supported the following V-COMM projects:

Lake Champlain – Lake George Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Capital District Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Salem County, New Jersey

- Worked with the County on their Broadband Initiative to meet the objectives of the awarded grant

Cumberland County, New Jersey

- Developed Broadband Feasibility Study
- Middle Mile (Broadband) Grant Program Engineering Services
- Full Proforma and submission of Grant Application (*County was awarded federal funding*)
- 700 MHz System/Tower Design/Construction Management
- 700 MHz Project Management Services
- VHF System Expansion

Delaware County, PA

- Current contract to consult and manage on new and existing cellular leases and new radio tower leases

Southeastern Pennsylvania Transit Authority (SEPTA)

- Wireless DAS Network Design/Build
 - Design, Procurement, Installation, Commissioning and Documentation for 700, 850 and 1900 MHz bands
- Intermodulation Analysis

Delaware River Port Authority (DRPA)

- 800 MHz DAS Network for PATCO Subway – Public Safety System
 - Design / Build, Specifications, ATP testing
 - Final Design included 99% coverage with a DAQ of 4.5
- Design /Build DAS Network for Cellular Service in Subway

Wells Fargo Center / Comcast Spectacor

- DAS Relocation Design and Installation Management

Philadelphia, Pennsylvania

- 700/800 MHz P25 Phase 2 System
- Philadelphia International Airport 800 MHz radio system dispatch console upgrade
- Wireless broadband Assessment for Police, Fire & PWD

South Canaan Cellular (Local Wireless Carrier) – Pike / Wayne Counties, Pennsylvania

- Build and Expand Cellular Network:
 - Coverage Analysis, Drive Testing, Tower Locations/Specifications, Network Performance

Hempfield School District, Pennsylvania

- RF Emissions testing performed annually at the two school locations adjacent to cell towers

Two Penn Center, Philadelphia, PA

- DAS Neutral Host RF Engineering, Design, Integration, Maintenance and Monitoring

Comcast Tower, Philadelphia, Pennsylvania

- T-Mobile DAS Network Expansion Support

Kalahari Resort, Pocono Manor, Pennsylvania

- Public Safety DAS, VHF and UHF Bands – RF design, construction, implementation, optimization and certification testing of an in-building public safety radio Distributed Antenna System (DAS)

New Jersey Transit (NJT)

- Design, frequency analysis, interference analysis and regulatory tasks to assist NJ Transit in deployment of their Positive Train Control (PTC) System.
- Cellular coverage testing on all NJT Right of Ways (ROW)

State of New Jersey

- 700/800 MHz PSIC P25 Phase 2 System
- LTE Broadband Network
- Comprehensive Public Safety Tower Planning

Burlington County, New Jersey

- Cell Carrier Leasing/Coordination
- P25 Phase 2 System Design and Deployment – Site acquisition, RFP Development, System procurement, Implementation Oversight, and Integration, through the completion of System Implementation

Newark, New Jersey

- Public Safety 700 MHz Radio Network Expansion and Upgrade

Cherry Hill Township, New Jersey

- P25 Phase 2 System Assessment, Recommendations, System Design and Implementation
- Cell Carrier Leasing/Coordination

University of Massachusetts, Lowell Campus


- FCC licensing and applications for the expansion of existing UHF Radio System


Cheshire, CT School District


- Frequency Search and License Applications for 8 UHF low power channel pairs (450-470 MHz) to be utilized at eight Public Schools locations.



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James Shelton has more than 30 years' experience in wireless engineering. He has extensive experience in wireless system design, implementation, testing and optimization for wireless systems utilizing APCO 16, APCO 25, ECADSSM, SMARTNETSM, 5G LTE, OFDM, CDMA, EVDO, TDMA, GSM and AMPS wireless technologies. Throughout his career, Shelton has been responsible for the specification, design, testing, implementation and optimization of numerous wireless data and voice systems.

WORK EXPERIENCE

DIRECTOR OF RF ENGINEERING | V-COMM, LLC

Exton, PA (1997 – Present)

- Responsible for performance of engineering team, supplying variety of RF and business development services to diverse clientele
- Projects include technology evaluation and managing a team of engineers in design, testing, implementation, optimization and management of new and existing public safety and cellular voice and data systems across low-, mid- and high-band spectrum, including microwave point-to-point engineering, throughout the United States, Caribbean and elsewhere
- Instrumental in evaluation of generational technology of commercial, wireless technologies (3G-5G, etc.), public safety technologies (P25, conventional trunking, etc.) as well as digital video broadcast
- Instrumental in development and procurement of hardware and software engineering tools to enhance both clients and carriers in meeting compliance with FCC rules and regulations
- Development and submission to FCC of multiple engineering studies on behalf of clients

STAFF ENGINEER | LOCKHEED MARTIN

Moorestown, NJ (1995 – 1997)

- Responsible for specification and integration of Command, Control, Communications and Intelligence (C³I) system upgrade for incorporation of Theatre Ballistic Missile Defense (TBMD) capability
- Conducted system testing activities to support integration of TBMD in AEGIS Command and Control System
- Held NATO secret clearance

MANAGER, C3I SYSTEMS | GALAXY SCIENTIFIC CORPORATION

Warminster, PA (1988 – 1995)

- Participated in a variety of classified engineering and project development activities on behalf of the Department of Defense, focused on C³I systems
- Instrumental in specification development and procurement of Multifunctional Information Distribution Systems (MIDS) radio system for USN F/A-18 with four NATO member countries
- Led development of host platform interface control document requiring participation in, and presentation to, several international working groups
- Engaged in software testing of Joint Tactical Information Distribution Systems (JTIDS), a TDMA-based (C³I) system
- Participated in program to upgrade JTIDS and integrate into additional aircraft and ground level equipment
- Held NATO secret clearance
- Galaxy Scientific Corporation acquired by SRA International (now CSRA)

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BACHELOR OF SCIENCE / ELECTRICAL ENGINEERING

Villanova University, Villanova, PA

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James Shelton was intimately involved and supported the following V-COMM projects:

Lake Champlain – Lake George Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Capital District Regional Planning Commission

- Broadband Data, Planning, GIS and Engineering Services:
 - GIS analysis of Broadband BSL location data, and synergize with other Broadband (BB) service metrics
 - Fiber (last and Middle mile) and wireless BB network design to meet government required service levels
 - Development of BB applications in accordance with government requirements (State, Federal programs, etc.) including budget, performance, project schedules

Salem County, New Jersey

- Managed the County's Broadband Initiative to meet the objectives of the awarded grant

Cumberland County, New Jersey

- Developed Broadband Feasibility Study
- Middle Mile (Broadband) Grant Program Engineering Services
- Full Proforma and submission of Grant Application (*County was awarded federal funding*)

Philadelphia, Pennsylvania

- 700/800 MHz P25 Phase 2 System
- Philadelphia International Airport 800 MHz radio system dispatch console upgrade
- Wireless broadband Assessment for Police, Fire & PWD

State of New Jersey

- 700/800 MHz PSIC P25 Phase 2 System
- LTE Broadband Network
- Comprehensive Public Safety Tower Planning

Burlington County, New Jersey

- Cell Carrier Leasing/Coordination
- P25 Phase 2 System Design and Deployment:
 - Site acquisition, RFP Development, System procurement, Implementation Oversight, and Integration, through the completion of System Implementation

Camden County, New Jersey

- NJ's First 700 MHz P25 – Phase 2 System Design and Deployment:
 - Site acquisition, RFP Development, System procurement, Implementation Oversight, and Integration, through the completion of System Implementation
- Tower Management Support
- Highway Construction Interchange Project – Repeater Design

Sparta Township, New Jersey

- Public Safety Radio System Coverage Analysis and Recommendations (VHF, UHF, 700/800MHz)

Cumberland County, New Jersey

- 700 MHz System/Tower Design/Construction Management
- 700 MHz Project Management Services
- VHF System Expansion

Newark, New Jersey

- Public Safety 700 MHz Radio Network Expansion and Upgrade

Parsippany-Troy Hills, New Jersey

- 700 MHz P25 Phase 2 System Design and Implementation
- PSAP Recommendations

Cherry Hill Township, New Jersey

- P25 Phase 2 System Assessment, Recommendations, System Design and Implementation
- Cell Carrier Leasing/Coordination

Ocean County, New Jersey

- 700 MHz System Design

Township of Edison, Police, Fire and EMS Departments

- 700 MHz P25 Phase 2 System Design and Deployment

University of Massachusetts, Lowell Campus

- FCC licensing and applications for the expansion of existing UHF Radio System

Cheshire, CT School District

- Frequency Search and License Applications for 8 UHF low power channel pairs (450-470 MHz) to be utilized at eight Public Schools locations.

Philadelphia, Pennsylvania

- In-building public safety for the Democratic National Convention at Wells Fargo Center

Washington Metropolitan Area Transit Authority (WMATA)

- Public Safety P-25 Radio System
 - FCC Licensing
 - Project Management

Township of Edison, Police, Fire and EMS Departments

- 700 MHz P25 Phase 2 System Design and Deployment

APPENDIX B – WORK SAMPLES



CAPITAL DISTRICT REGIONAL PLANNING COMMISSION BROADBAND FEASIBILITY STUDY

DRAFT REPORT August 6, 2024

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ACKNOWLEDGEMENTS

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SPECIAL THANKS

Mr. Jim Becker - MIDTEL Communications

1.0 INTRODUCTION

In accordance with the August 15, 2022 Notice of Funding Opportunity ("NOFO"), the National Telecommunications and Information Administration ("NTIA") became the Lead Federal Agency to enact the Broadband Equity, Access and Deployment Program ("BEAD"). This program provides capital funding to each state and territory to review all locations within the state that are currently considered to be unserved (less than 25 mbps / 3 mbps) and underserved (less than 100 mbps / 20 mbps) to identify locations eligible for upgrades to become fully served.

The New York ConnectAll ("CAO") office is the state's broadband office responsible for oversight and dissemination of New York's share of the funding currently estimated at \$664 million dollars. According to the CAO website "New York State has consolidated planning and implementation for both the Broadband Deployment and Digital Equity programs under ConnectAll to ensure a coordinated and integrated approach that will address the complete range of barriers to broadband access and use currently affecting New Yorkers. ConnectALL launched a comprehensive statewide planning and stakeholder engagement effort to inform the development of all Broadband Deployment Plans and the first-ever State Digital Equity Plan (SDEP)."

In conjunction with this integrated approach, The Capital District Regional Planning Commission, the federally designated Economic Development District (CDRPC) for Albany, Rensselaer, Schenectady, and Saratoga Counties of New York State, is the lead regional agency to develop and oversee broadband planning within the counties. In July, 2023, the CDRPC issue a request for proposals from qualified firms to provide data collection and analysis, GIS, planning and feasibility analyses, and engineering services to the CDRPC on an as-needed basis to enhance the CDRPC's activities within the realm of broadband connectivity.

1.1 Project Overview

Tectonic Engineering Consultants, Geologists and Land Surveyors DPC ("Tectonic"), in conjunction with and supported by V-COMM, LLC and H&H Telecom Inc., was retained by the CDRPC to assist the Commission in its pursuit of federal and state funding for the expansion of fiber resources to support accessibility to affordable high-speed Internet throughout the four counties. The primary funding initiative that is being targeted, is the BEAD program, which is administered by ConnectAll.

Tectonic's Scope of Work was to develop a Broadband Feasibility Plan to include the following tasks:

1. Assist and work through the local County/Township Officials to identify Local Broadband Initiatives that include, but not limited to, Internet Service Providers (ISP's), utility providers, anchor tenants, and other local leaders to develop a County Strategic Plan. Field verification of the ISP information will also be performed.
2. Prepare and collect non-disclosure agreements with associated ISPs, power utility, municipalities, counties and others - in order to gather information on existing and near- term services and plans for each service provider. We will also inquire about existing fiber routes for both dark and lit fiber to add to the GIS Maps. Obtaining existing routing, in some cases, can expedite ISP plans if existing sources are available to expand their networks.
3. Organize, integrate, and document individual projects and develop Rough Order of Magnitude (ROM) cost budgets.
4. Utilize the GIS team to work closely with the County Planner's GIS team to freely trade information and data obtained during the study.
5. Integrate FCC Broadband fabric data and state broadband data into a GIS dataset and build required layers of broadband published location data within unserved, underserved, non- fiber served; economic and resiliency layer; critical infrastructures location layers; anchor location layers.
6. Prioritize and map/ categorize locations per the FCC Broadband Map as unserved, underserved, non-fiber served; and identify locations that are not included in FCC map for challenge.
7. Gather and report on the County Risk Index and Climate Impact status reports.
8. Conduct planning sessions as needed to plan and confirm project details identifying the most important broadband projects for their county/city.
9. Based on interviews with Service Providers, if necessary, will develop Middle Mile Fiber route needs and provide an assessment with proposed routes for subsidy needs or stack ranking per agreed upon criteria.

BROADBAND PERMIT STREAMLINING

Report

JUNE 2024



SANDAG

ACKNOWLEDGEMENTS

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Regional Digital Infrastructure Taskforce

California Emerging Technology Fund



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Introduction and Overview

Over the past three years, the Southern California Association of Governments (SCAG) and the San Diego Association of Governments (SANDAG) have actively participated in and facilitated the Southern California (SoCal) Transformation Working Group. The SoCal Transformation Working Group convenes monthly Meeting monthly and comprises representatives from various sectors, including government, non-profits, education, health, internet service providers (ISPs) and additional private sectors. Meeting agendas span numerous crucial topics, such as the present condition of broadband, relevant legislative developments, funding sources and ongoing efforts. Furthermore, the meetings explore and discuss solutions and actions aimed at bridging the digital divide. Through dialogue within the working group, stakeholders from both public and private sectors have pinpointed permitting issues as a pivotal barrier to the development of broadband infrastructure.^{1,2}

Motivated by the SoCal Transformation Working Group, SCAG and SANDAG have adopted a resolution to address digital disparity. Furthermore, both agencies have endorsed their respective broadband strategic plans: SANDAG adopted the Regional Digital Equity Strategy and Action Plan in December 2021, while SCAG approved the Digital Action Plan in April 2023.^{3,4} Both the resolution and the strategic plans acknowledge the digital divide, committing the agencies to assist in mitigating it within underserved communities. An essential component of the mandates within these resolutions and plans is the obligation for SCAG and SANDAG to formulate and implement strategies that expedite broadband infrastructure deployment, including solutions for streamlining permitting processes.

With funding and support from the California Emerging Technology Fund, both agencies have partnered with each other to develop permit streamlining solutions, with SANDAG convening a permit streamlining task force, known as the Regional Digital Infrastructure Taskforce (ReDIT), and SCAG developing a permit streamlining report, model policy and ordinance. In February 2022, SANDAG initiated the ReDIT, bringing together staff from local agencies and Regional Broadband Consortia. The collective aim is to develop regional permitting standards and practices that streamline deployment of digital communications infrastructure to advance intelligent transportation solutions, smart cities and broadband in underserved areas.

Building upon the findings from ReDIT, SCAG enlisted the expertise of Tectonic Engineering Consultants, et al. ("Tectonic") in December 2022. This collaboration sought to provide professional consultancy services in the development of recommendations for permit streamlining solutions, data collection and analyses in support of the directives established in the broadband resolutions, plans and additional mandates.

¹ Resolution No. 2021-09, SANDAG. Available at: <https://www.sandag.org/-/media/SANDAG/Documents/PDF/projects-and-programs/regional-initiatives/digital-equity/resolution-to-increase-broadband-access-to-bridge-the-digital-divide-2021-01-22.pdf>

² Resolution No. 21-629-2, SCAG. Available at: https://scag.ca.gov/sites/main/files/file-attachments/resolution_no._21-629-2_-_support_to_increase_broadband_access.pdf?1646942018

³ SCAG Digital Action Plan, SCAG. Available at: <https://scag.ca.gov/post/scag-digital-action-plan>

⁴ Regional Digital Equity Strategy and Action Plan. Available at: <https://www.sandag.org/projects-and-programs/regional-initiatives/digital-equity>

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