



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **6463** | Service: **DTV** | Call **WFXT** | Channel: **34 (UHF)** |  
ID: | Sign:  
File **0000027904**  
Number:  
FRN: **0029118650** | Date **10/08**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>WFXT (BOSTON), LLC</b>	Chief	+1 (781)	sean.	Limited
Doing Business As:	Engineer	467-2525	anker@boston25.	Liability
WFXT (BOSTON), LLC	25 FOX DRIVE DEDHAM, MA 02026 United States		com	Company

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Sean Anker</b>	Director of	+1 (781) 467-	Sean.Anker@boston25.
Director of	Engineering	2525	com
Engineering	25 Fox Drive		
WFXT (Boston) LLC	Dedham, MA 02026 United States		

**Broadcaster  
Information  
and  
Transition  
Plan**

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	Yes
Briefly describe transition plan	Move to American Tower interim site broadcasting on current channel while we prepare our current site for operation on new channel with new transmitter and new shared antenna.

**Transmitters**

Section	Question	Response
Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

**Auxiliary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Auxiliary (Backup)
	Description of Use	Backup
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DCX
	Year	2004
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	25 kW

**Auxiliary  
Transmitter****New Transmitter Costs**

Section	Question	Response
<b>New Transmitter</b>	Use	Auxiliary (Backup)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.3 kW
	Justification for New Transmitter	Comark has advised us that they are no longer going to retune existing DCX transmitters.

**Auxiliary  
Transmitter****Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches

	Length	400.0 feet
	Other Electrical Service	Yes
	Description	Surge suppressor, UPS
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	15 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

## Auxiliary Transmitter

### Other Transmitter Cost Not Listed

Name	Description
<b>Electrical installation of transmitter</b>	All parts and labor required for the electrical installation of the transmitter.
<b>480V Transformer 112.5kVA</b>	The transmitter specifies a 112.5 kVA transformer to provide 208V power service.
<b>UHF inside RF system including switching</b>	Mask filter and accessories.
<b>208V electrical distribution panel</b>	A new electric distribution panel is required for the new 208V system.

**Primary  
Transmitter**

**Existing Transmitter Information**

Section	Question	Response
<b>Existing Transmitter Description</b>	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
<b>Existing Transmitter Manufacturer and Type</b>	Manufacturer	
	Model	DCX
	Year	1999
	Type	Inductive Output Tube
	IOT Power Type	Three
	Power Capacity	60 kW

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-60
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	38.0 kW
	Justification for New Transmitter	Comark has advised us that they can not retune our existing transmitter, and suitable output IOT transmitters cost more than the solid-state system.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes

	Power	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	700.0 feet
	Other Electrical Service	Yes
	Description	Surge suppressor, UPS for control and transmitter electronics
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	30 tons
	Other Size	N/A tons
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1500.0 square feet
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

**Primary Transmitter**

**Other Transmitter Cost Not Listed**

Name	Description
<b>Electrical installation of transmitter</b>	All items and labor required for the installation of the transmitter.



<b>208V distribution panel</b>	Transmitter will require a new electric distribution panel for the 208V system.
<b>Replace generator transfer switch</b>	Transfer switch replacement is necessary due to code compliance work noted in this section.
<b>Replace 1000A-480V electrical service entrance wiring</b>	Required for code compliance due to the amount of electric work being permitted. Mains currently run through old cabinetry /transfer switch.
<b>UHF inside RF system including switching</b>	Mask filter, dummy load, other accessories.
<b>20 Ton HVAC for combiner</b>	20 ton HVAC system to provide cooling of the combiner facility.
<b>Ice Shield for HVAC equipment</b>	Ice protection for HVAC compressor split units placed in close proximity of tower located within a geographical location prone to ice and snow.
<b>Replace 1000A-480V switchgear</b>	Due to mains replacement for code compliance, the main disconnect and primary switch gear must be replaced.

**Interim  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-24
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	16.1 kW
	Justification for New Transmitter	Continue service to Boston viewers during rework of primary site.

**Interim  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	2 inches
	Length	400.0 feet
	Other Electrical Service	Yes

	Description	Surge Suppression, UPS for transmission and control systems.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	15 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

## Interim Transmitter

### Other Transmitter Cost Not Listed

Name	Description
<b>Remote Control</b>	System to allow remote control of the transmitter and associated equipment from the main studio location.
<b>Electrical installation of transmitter</b>	Electrical conduit and wiring from American Tower Corp., provided connection to all Interim Transmitter equipment, and drilling holes in exterior wall for transmitter connections to outside equipment.

<b>480V Electrical Sub-panel</b>	New 480V electrical sub-panel wired off of the existing switchgear required to supply power for the additional transmitter added to the shared space. This space currently does not have sufficient power available.
<b>208V Electrical distribution panel</b>	New 208V panel and distribution for transmitter and related electronics
<b>Studio to Transmitter Link</b>	Cost to install and lease fiber STL for duration of operation and build backup microwave STL path.
<b>75kVA transformer</b>	To convert 480V main power to 208V.

**Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

## Primary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Lease New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna Manufacturer and Type	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	780.0 kW
	Manufacturer	

Model	TFU-19ETT /VP-R 4 C190
Year	2009

**Primary  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Ownership	Leased
	Owner	American Tower
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	14
	Lower Limit	430.00 MHz
	Upper Limit	600.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	910.0 kW
	Manufacturer	



Model	TUM-AP-O4-14/56H-2-B
Year	2018
Justification for New Antenna	American Tower is removing the current top mounted antennas on the Needham Hts. candelabra and replacing it with a broadband panel. Other stations listed will be using as interim/aux.

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	Yes
	Type	New
	Number of channels supported	5
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes

	Broadband or Single Channel?	Single Channel
	Feed Line Size	8 3/16 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	No
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

**Enter a list of RF channel numbers.**

RF Channel Number
34
20
21
32
33

**Primary Antenna**

#### **Other Antenna Cost Not Listed**

Name	Description
<b>Combiner installation</b>	Installation of combiner; Single chain of 5 high power constant impedance waveguide modules, and/or dual chains of 5 directional filter modules per Dielectric layout. required for broadband antenna system

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	300.0 kW
	Manufacturer	
	Model	TFU-24WB-1-R C170

	Year	2017
	Justification for New Antenna	American Tower Corp. will be providing the new interim facility. The antenna will be used to support WFXT and other stations during the repack process.

## Interim Antenna

### Other Antenna Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	8 3/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	No
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

## Interim Antenna

### Other Antenna Cost Not Listed

Name	Description
------	-------------

<b>Side mount brackets</b>	Custom antenna mount brackets made by dielectric due to tower design
<b>Combiner installation</b>	Installation for new combiner, cost per channel. Not included in original estimate - required due to adjustment in transition plans.
<b>Combiner for shared broadband antenna</b>	New combiner, cost per channel. Not included in original estimate - required due to adjustment in transition plans.

**Transmission Line**

Section	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

**Primary**  
**Transmission Line**

**Existing Transmission Line**

Section	Question	Response
<b>Existing Transmission Line Description</b>	Type of change	Lease New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1080 feet per run

**Primary**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	No
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1250 feet per run
	Justification for New Transmission Line	We will have one run to the new combiner, and then two runs up the tower to the new antenna. Line must be sized to 8-3/16" to have sufficient capacity for multi-user site.



Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Transmission line from transmitter to combiner	New transmission line to take the signal from the transmitter to the combiner.

**Interim**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	8 3/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	80 feet per run
	Justification for New Transmission Line	Transmission line from transmitter to antenna combiner connection point.

**Interim**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Name	Description
<b>ATC line costs</b>	Cost for cut pieces, connectors, and elbows. Required for combiner installation

**Tower Equipment And Rigging Costs**

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

**Primary Tower**

**Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Unknown
	Is tower compliant with Rev G?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1004233
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	42° 18' 10.7" N-
	Longitude (NAD83)	071° 13' 04.9" W-
	Overall Structure Height	1200.77 feet
	Support Structure Height	1101.04 feet
	Ground Elevation Above Mean Sea Level (AMSL)	150.92 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Towers, LLC
Date Constructed	04/19/2005

**FM, AM or TV radio  
broadcasters. Facility ID's,  
Call Signs and Services of  
other broadcast stations with  
whom the tower is shared**

Facility ID	Call Sign	Service
23439	WBOS	FM
73238	WLVI	DTV

## Primary Tower

### Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

## Primary Tower

### Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra

<b>Helicopter Services Required</b>	Are helicopter services required?	No
-------------------------------------	-----------------------------------	----

**Primary  
Tower**

**Other Tower Expenses Not Listed**

<b>Name</b>	<b>Description</b>
<b>Construction project management</b>	Est. 12 hours on Modification project management and 20 hours for RF installation project management for a total of twenty 20 days,
<b>Tower Permit Drawing Package</b>	The generation of a construction drawing package.
<b>Ground and Building A and E Permit Drawing Package</b>	The generation of a construction drawing package.

**Outside  
Professional**

Section	Question	Response
<b>Services Costs Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	95
	Explanation	ATC costs to manage all of the tower /antenna work.
<b>Outside RF consulting Engineering Services</b>	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes

	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	Yes
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
<b>RF Field Engineering Services</b>	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

Name	Description
<b>Site Coordination Meeting</b>	Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction. This cost is for travel and logistics expenses accrued.
<b>Legal costs</b>	Total incurred legal costs for project.

<b>Engineering for project</b>	Merrill Weiss incurred expense for project and antenna designs
<b>ATC Perform engineering study for new channel assignment and antenna development</b>	ATC's cost to perform engineering study for new channel assignment and antenna development
<b>RF System Test</b>	Testing of the combiner to ensure all frequencies are tuned for optimal patterns.



## Other Expenses

Section	Question	Response
<b>AM Pattern Disturbance</b>	Is an Impact Study needed?	No
	Is Remediation needed?	No
<b>Facility Expenses</b>	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
<b>Permit and Filing Costs</b>	Local Zoning	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	Yes
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
<b>Other Miscellaneous Expenses</b>	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	Yes
	Does this relocation require MVPD Notification of a Channel Change?	Yes

**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
<b>Interim Site Building Permits</b>	The cost of prep and submission of the forms for permits, on behalf of the one (1) broadcasters for jurisdictional permits, required for electrical, building and other required tasks associated with the install of the equipment in the transmitter space.
<b>Interim Site Construction Project Management</b>	(24) hours on Modification project management and RF installation project management.
<b>Interim Site Equipment Delivery and Handling Costs</b>	This cost is for the material/equipment, delivery and offloading by third party contractors.
<b>Interim Site Ground and Building Permit Drawings</b>	The generation of a construction drawing package for one (1) broadcasters /customers.
<b>Interim Site Lease</b>	One-time lease payment to cover the duration of the interim site construction and operation time periods.
<b>Interim Site Nitrogen System Upgrade</b>	Upgrade of necessary nitrogen generation system to maintain pressure in transmission lines.
<b>Interim Site Public Hearing</b>	Public hearing to alter height of tower by changing top antenna.
<b>Interim Site RF System Test</b>	Testing of the combiner to ensure all frequencies are tuned for optimal patterns.
<b>Interim Site Site Coordination Meeting</b>	Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction. This cost is for travel and logistics expenses accrued.
<b>Interim Site Tower Permit Drawing Package</b>	The generation of a construction drawing package for one (1) broadcasters /customers.

<b>Interim Site Tower Rigging</b>	Includes the installation of the new antenna, refurbishing of two (2) transmission Lines, any required tower bracket material to support the additional transmission line on the tower, and one 44' antenna stub section (labor included).
<b>Interim Site transition timing and coordination</b>	Coordination and transition planning with all parties onsite.
<b>Main Site Asbestos and Lead Tests</b>	Asbestos testing, removal and abatement for walls which could contain lead paint and /or the flooring may contain asbestos, because of the age of the facility and the era when the original construction took place.
<b>Main Site Nitrogen System</b>	Installation of necessary nitrogen generation system to maintain pressure in transmission lines.
<b>Main Site Public Hearing</b>	Cost for representation during any required public hearings.
<b>Main Site Security During Install</b>	Site security for installation and storage of Transmission line and materials for 30 days X 12 hours. These materials are a high risk of theft due to the material makeup such as copper, brass and aluminum.
<b>Main Site Structural Engineering Study</b>	Required for safe installation of antenna equipment.
<b>Side Mount BBA Ice Shield</b>	Interim - Required to protect new side mount antenna from falling ice on tower
<b>8-inch transmission Line refurbishment</b>	Interim line - Materials and Labor to refurbish one existing 8" transmission line

Cost  
Information

Transmitters

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-24	\$1,056,579.98	\$688,786.08		\$625,173.09	
2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$4,000.00	Further reduced from \$5,000 to \$4,000 to reflect actual incurred cost.	\$3,750.00	N/A
Other Electrical Service: Surge Suppression, UPS for transmission and control systems.	\$0.00	\$0.00	N/A	N/A	N/A
75kVA transformer	\$0.00	\$0.00	N/A	N/A	N/A
Studio to Transmitter Link	\$78,000.00	\$78,000.00	Combined monthly cost for fiber link during interim operation, plus antennas, receiver, and tower work for microwave STL path.	\$17,265.63	N/A

208V Electrical distribution panel	<b>\$0.00</b>	\$0.00	This item has been reduced to zero from \$10,000. A separate budget item was added to reflect WFXT's actual electrical costs that were directly incurred for installation of the transmitter.	N/A	N/A
480V Electrical Sub-panel	<b>\$10,000.00</b>	\$10,000.00	ATC estimate	\$7,500.00	N/A
Electrical installation of transmitter	<b>\$20,474.98</b>	\$20,474.98	Cost required for electrical installation of transmitter. This component reduces by \$15,000 two items that were in the initial budget -- \$10,000 from 208V Panel and \$5,000 from 2" Conduit. It also includes drilling holes to outside required for install.	\$20,474.98	N/A
Remote Control	<b>\$17,805.00</b>	\$17,805.00	Updated cost due to increase in actual implementation cost to cover computer equipment.	\$17,676.38	N/A

UHF inside RF system including switching	\$147,500.00	\$0.00	N/A	N/A	N/A
15 Ton system	\$88,400.00	\$0.00	This item will not be required as expected.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$558,506.10	Cost estimate reduced from \$590,205.90 to reflect final actual cost.	\$558,506.10	N/A
<b>Primary Transmitter ULXTE-60</b>	<b>\$1,968,101.97</b>	<b>\$1,557,785.14</b>		<b>\$1,329,498.27</b>	
Replace 1000A-480V switchgear	<b>\$0.00</b>	\$0.00	This item is reduced to \$0 from the initial budget of \$50,000 to reflect the addition of new budget item Electric installation of transmitter.	N/A	N/A
Ice Shield for HVAC equipment	<b>\$4,000.00</b>	\$4,000.00	Ice protection for HVAC compressor split units placed in close proximity of tower located within a geographical location prone to ice and snow.	\$4,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.

20 Ton HVAC for combiner	<b>\$22,000.00</b>	\$22,000.00	N/A	\$22,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
UHF inside RF system including switching	<b>\$138,801.97</b>	\$138,801.97	N/A	\$26,068.27	N/A
Replace 1000A-480V electrical service entrance wiring	<b>\$0.00</b>	\$0.00	Budget reduced to \$0 from \$17,500 to reflect the addition of new budget item, Electrical installation of transmitter.	N/A	N/A
Replace generator transfer switch	<b>\$0.00</b>	\$0.00	Budget reduced to \$0 from \$22,000 to reflect the addition of new budget item, Electrical installation of transmitter.	N/A	N/A
208V distribution panel	<b>\$10,000.00</b>	\$10,000.00	N/A	N/A	N/A
Electrical installation of transmitter	<b>\$108,750.00</b>	\$108,750.00	This line item replaces all other electric items due to rollup project bid and invoicing.	\$108,750.00	N/A

Other -- Building Addition Size: 1500.0	<b>\$1,800.00</b>	\$1,800.00	Partition walls for security. ATC supplied cost.	\$1,800.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
30 Ton system	\$166,000.00	\$158,000.00	N/A	\$96,991.00	N/A
Other Electrical Service: Surge suppressor, UPS for control and transmitter electronics	<b>\$0.00</b>	\$0.00	Budget reduced to \$0 from \$6,500 to reflect the addition of new budget item, Electrical installation of transmitter.	N/A	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$18,200.00	\$0.00	Budget reduced to \$0 from \$12,500 to reflect the addition of new budget item, Electrical installation of transmitter.	N/A	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$6,236.88	This cost is for the equipment only. Installation costs will be included in wiring costs.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,108,196.29	N/A	\$1,069,889.00	N/A



<b>Auxiliary Transmitter ULXTE-40</b>	<b>\$1,127,923.10</b>	<b>\$930,147.20</b>		<b>\$808,480.45</b>	
208V electrical distribution panel	<b>\$0.00</b>	\$0.00	This item is reduced to \$0 from the initial budget of \$10,000 to reflect the addition of new budget item Electric installation of transmitter.	N/A	N/A
UHF inside RF system including switching	<b>\$91,000.00</b>	\$91,000.00	N/A	\$22,110.04	N/A
480V Transformer 112.5kVA	<b>\$2,973.10</b>	\$2,973.10	Equipment cost only. Installation is included in wiring costs.	N/A	N/A
Electrical installation of transmitter	<b>\$16,250.00</b>	\$16,250.00	This budget item rolls up all of the individual electric installation line items into one due to bid and invoicing process.	\$16,250.00	N/A
15 Ton system	\$55,800.00	\$53,000.00	Widelity cost estimate for a 15 ton cooling system	\$37,737.00	N/A
Other Electrical Service: Surge suppressor, UPS	<b>\$4,500.00</b>	\$4,500.00	N/A	N/A	N/A

2" Rigid Conduit and Wiring (Cost per foot)	\$10,400.00	\$0.00	This item is reduced to \$0 from the initial budget of \$6,250 to reflect the addition of new budget item Electric installation of transmitter.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$762,424.10	N/A	\$732,383.41	N/A
<b>Sub-total</b>	\$4,152,605.05	\$3,176,718.42	N/A	\$2,763,151.81	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

Actual Information	
Description	File Name
2" Rigid Conduit and Wiring (Cost per foot)	<b>Component Description:</b> 25% milestone 1 billing of line 3-C-1, 2" Rigid Conduit in the project cost estimate section III.B. 1 Transmitters.
	<b>Amount:</b> \$1,250.00
	<b>Component Description:</b> 50% at billing milestone 2 of line 3-C-1, 2" Rigid Conduit in the project cost estimate section III.B. 1 Transmitters.
	<b>Amount:</b> \$2,500.00

Other Electrical Service: Surge Suppression, UPS for transmission and control systems.	Information not provided.								
75kVA transformer	Information not provided.								
Studio to Transmitter Link	<table> <tr> <td><b>Component Description:</b></td><td>Cost for Resource ID 95TBGS399884NE - Installation and operation of fiber link to feed WFXT signal from the studio to the transmitter. The invoice and contract covers the period from installation in Sept., 2018 through the end of phase 4 operation.</td></tr> <tr> <td><b>Amount:</b></td><td>\$17,265.63</td></tr> </table>	<b>Component Description:</b>	Cost for Resource ID 95TBGS399884NE - Installation and operation of fiber link to feed WFXT signal from the studio to the transmitter. The invoice and contract covers the period from installation in Sept., 2018 through the end of phase 4 operation.	<b>Amount:</b>	\$17,265.63				
<b>Component Description:</b>	Cost for Resource ID 95TBGS399884NE - Installation and operation of fiber link to feed WFXT signal from the studio to the transmitter. The invoice and contract covers the period from installation in Sept., 2018 through the end of phase 4 operation.								
<b>Amount:</b>	\$17,265.63								
208V Electrical distribution panel	Information not provided.								
480V Electrical Sub-panel	<table> <tr> <td><b>Component Description:</b></td><td>25% milestone 1 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.</td></tr> <tr> <td><b>Amount:</b></td><td>\$2,500.00</td></tr> <tr> <td><b>Component Description:</b></td><td>50% milestone 2 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.</td></tr> <tr> <td><b>Amount:</b></td><td>\$5,000.00</td></tr> </table>	<b>Component Description:</b>	25% milestone 1 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.	<b>Amount:</b>	\$2,500.00	<b>Component Description:</b>	50% milestone 2 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.	<b>Amount:</b>	\$5,000.00
<b>Component Description:</b>	25% milestone 1 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.								
<b>Amount:</b>	\$2,500.00								
<b>Component Description:</b>	50% milestone 2 billing of line 3-C-6, New Electrical Sub-panels in the project cost estimate section III.B.1 Transmitters.								
<b>Amount:</b>	\$5,000.00								

Electrical installation of transmitter	<p><b>Component Description:</b></p> <p>Invoice cost for electrical installation of the transmitter and cooling systems, and drilling of holes in exterior wall for electric and fluid connections to cooling equipment.</p> <p><b>Amount:</b></p> <p>\$20,474.98</p>
Remote Control	<p><b>Component Description:</b></p> <p>Client and server computers for transmitter remote control.</p> <p><b>Amount:</b></p> <p>\$5,426.48</p> <p><b>Component Description:</b></p> <p>Software required for remote control of the interim transmitter.</p> <p><b>Amount:</b></p> <p>\$12,249.90</p>
UHF inside RF system including switching	Information not provided.
15 Ton system	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	<div> <b>Component Description:</b> 1/3 down payment on ULXTE-24 Interim Transmitter.         </div> <div> <b>Amount:</b> \$180,919.50         </div>
	<div> <b>Component Description:</b> 3/3 Progress payment on interim transmitter. Installation and proof will be billed on a fourth invoice. Quote added to invoice.         </div> <div> <b>Amount:</b> \$153,957.33         </div>
	<div> <b>Component Description:</b> 1/3 progress payment on interim transmitter.         </div> <div> <b>Amount:</b> \$183,460.50         </div>
	<div> <b>Component Description:</b> Final invoice for Interim Transmitter including final change order and project freight.         </div> <div> <b>Amount:</b> \$40,168.77         </div>
Replace 1000A-480V switchgear	Information not provided.

Ice Shield for HVAC  
equipment

**Component Description:**

Milestone 3 (of 3)  
payment for HVAC  
equipment ice shield  
at multi-user Main  
Site. This is line 3-C-  
6 in the project cost  
estimate section III.B.  
1 Transmitters.

**Amount:**

\$1,000.00

**Component Description:**

Updated attachment:  
Milestone 1 (of 3)  
payment for HVAC  
equipment ice shield  
at multi-user Main  
Site. This is line 3-C-  
6 in the project cost  
estimate section III.B.  
1 Transmitters.

**Amount:**

\$1,000.00

**Component Description:**

Milestone 2 (of 3)  
payment for HVAC  
equipment ice shield  
at multi-user Main  
Site. This is line 3-C-  
6 in the project cost  
estimate section III.B.  
1 Transmitters.

**Amount:**

\$2,000.00

20 Ton HVAC for  
combiner

**Component Description:**

Milestone 3 (of 3)  
payment for 20 Ton  
System at multi-user  
Main Site. This is  
line 3-C-2 in the  
project cost estimate  
section III.B.1  
Transmitters.

**Amount:**

\$5,500.00

**Component Description:**

Milestone 2 (of 3)  
payment for 20 Ton  
System at multi-user  
Main Site. This is  
line 3-C-2 in the  
project cost estimate  
section III.B.1  
Transmitters.

**Amount:**

\$11,000.00

**Component Description:**

This cost component  
line is unnecessary  
due to unlocking of  
invoice to make  
corrections to initial  
errant submissions.

**Amount:**

N/A

**Component Description:**

Updated attachment:  
Milestone 1 (of 3)  
payment for 20 Ton  
System at multi-user  
Main Site. This is  
line 3-C-2 in the  
project cost estimate  
section III.B.1  
Transmitters.

**Amount:**

\$5,500.00

UHF inside RF system including switching	<p><b>Component Description:</b> 1/3 down payment of mask filter and RF accessories</p> <p><b>Amount:</b> \$26,068.27</p>
Replace 1000A-480V electrical service entrance wiring	Information not provided.
Replace generator transfer switch	Information not provided.
208V distribution panel	Information not provided.
Electrical installation of transmitter	<p><b>Component Description:</b> First invoice for electrical installation of the main transmitter.</p> <p><b>Amount:</b> \$80,000.00</p> <p><b>Component Description:</b> Final invoice for electrical installation of the main transmitter.</p> <p><b>Amount:</b> \$28,750.00</p>



Other -- Building Addition  
Size: 1500.0

**Component Description:**

Milestone 3 (of 3)  
payment for partition  
walls at multi-user  
Main Site. This is  
line 3-C-3 in the  
project cost estimate  
section III.B.1  
Transmitters.  
\$450.00

**Amount:**

**Component Description:**

Updated attachment:  
Milestone 1 (of 3)  
payment for partition  
walls at multi-user  
Main Site. This is  
line 3-C-3 in the  
project cost estimate  
section III.B.1  
Transmitters.  
\$450.00

**Amount:**

**Component Description:**

This cost component  
line is unnecessary  
due to unlocking of  
invoice to make  
corrections to initial  
errant submissions.  
N/A

**Amount:**

**Component Description:**

Milestone 2 (of 3)  
payment for partition  
walls at multi-user  
Main Site. This is  
line 3-C-3 in the  
project cost estimate  
section III.B.1  
Transmitters.  
\$900.00

**Amount:**

30 Ton system	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Final invoice for 30 ton HVAC system on main transmitter.  \$65,026.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Full cost of supplemental cooling required during construction.  \$1,965.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Deposit invoice for 30 ton HVAC system on main transmitter.  \$30,000.00 </div> </div>
Other Electrical Service: Surge suppressor, UPS for control and transmitter electronics	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Transformer 3 phase /480v - 150 KVA	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<table> <tr> <td data-bbox="691 179 995 210"><b>Component Description:</b></td><td data-bbox="1131 179 1385 244">Second payment due prior to shipment.</td></tr> <tr> <td data-bbox="691 259 798 291"><b>Amount:</b></td><td data-bbox="1131 259 1276 291">\$358,060.22</td></tr> <tr> <td data-bbox="691 398 995 430"><b>Component Description:</b></td><td data-bbox="1131 398 1374 663">This is the third invoice for our main transmitter. A portion of it is non-reimbursable as noted in the cover letter.</td></tr> <tr> <td data-bbox="691 678 798 710"><b>Amount:</b></td><td data-bbox="1131 678 1276 710">\$259,219.79</td></tr> <tr> <td data-bbox="691 817 995 848"><b>Component Description:</b></td><td data-bbox="1131 817 1374 920">1/3 down payment of main transmitter system</td></tr> <tr> <td data-bbox="691 936 798 967"><b>Amount:</b></td><td data-bbox="1131 936 1276 967">\$360,253.92</td></tr> <tr> <td data-bbox="691 1075 995 1106"><b>Component Description:</b></td><td data-bbox="1131 1075 1358 1140">Final invoice for the main transmitter.</td></tr> <tr> <td data-bbox="691 1155 798 1187"><b>Amount:</b></td><td data-bbox="1131 1155 1262 1187">\$92,355.07</td></tr> </table>	<b>Component Description:</b>	Second payment due prior to shipment.	<b>Amount:</b>	\$358,060.22	<b>Component Description:</b>	This is the third invoice for our main transmitter. A portion of it is non-reimbursable as noted in the cover letter.	<b>Amount:</b>	\$259,219.79	<b>Component Description:</b>	1/3 down payment of main transmitter system	<b>Amount:</b>	\$360,253.92	<b>Component Description:</b>	Final invoice for the main transmitter.	<b>Amount:</b>	\$92,355.07
<b>Component Description:</b>	Second payment due prior to shipment.																
<b>Amount:</b>	\$358,060.22																
<b>Component Description:</b>	This is the third invoice for our main transmitter. A portion of it is non-reimbursable as noted in the cover letter.																
<b>Amount:</b>	\$259,219.79																
<b>Component Description:</b>	1/3 down payment of main transmitter system																
<b>Amount:</b>	\$360,253.92																
<b>Component Description:</b>	Final invoice for the main transmitter.																
<b>Amount:</b>	\$92,355.07																
208V electrical distribution panel	Information not provided.																
UHF inside RF system including switching	<table> <tr> <td data-bbox="691 1440 995 1471"><b>Component Description:</b></td><td data-bbox="1131 1440 1337 1545">1/3 of broken out mask filter and rf accessories costs</td></tr> <tr> <td data-bbox="691 1561 798 1592"><b>Amount:</b></td><td data-bbox="1131 1561 1262 1592">\$22,110.04</td></tr> </table>	<b>Component Description:</b>	1/3 of broken out mask filter and rf accessories costs	<b>Amount:</b>	\$22,110.04												
<b>Component Description:</b>	1/3 of broken out mask filter and rf accessories costs																
<b>Amount:</b>	\$22,110.04																
480V Transformer 112.5 kVA	Information not provided.																

Electrical installation of transmitter	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Deposit for electric installation of aux transmitter  \$8,500.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Final payment for electric installation of aux transmitter.  \$7,750.00 </div> </div>
15 Ton system	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Deposit invoice for 15 ton HVAC system on aux transmitter.  \$15,000.00 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Final invoice for 15 ton HVAC system on aux transmitter.  \$22,737.00 </div> </div>
Other Electrical Service: Surge suppressor, UPS	Information not provided.
2" Rigid Conduit and Wiring (Cost per foot)	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW		
	<b>Component Description:</b>	1/3 down payment on transmitter system.
	<b>Amount:</b>	\$235,830.40
	<b>Component Description:</b>	1/3 payment due prior to shipment.
	<b>Amount:</b>	\$247,180.12
	<b>Component Description:</b>	Final invoice for the aux transmitter.
	<b>Amount:</b>	\$72,136.06
	<b>Component Description:</b>	Third invoice for the aux transmitter.
	<b>Amount:</b>	\$177,236.83

## Cost Information

### Antennas

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Antenna TFU-24WB-1-R C170	\$315,083.33	\$257,770.00		\$219,853.33	
Side mount brackets	<i>\$21,600.00</i>	\$21,600.00	As-billed amount for custom side-mount brackets.	\$21,600.00	Brackets not included in original estimate. They were required due to other necessary tower work.
Combiner installation	<i>\$13,964.00</i>	\$13,964.00	As-billed amount for combiner installation.	\$13,964.00	Combiner was not included in original cost estimate, but was required due to change in market coordination plans.
Combiner for shared broadband antenna	<i>\$68,039.33</i>	\$68,039.33	As-billed amount for completed combiner.	\$68,039.33	Combiner was not included in original cost estimate, but was required due to change in market coordination plans.

UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	\$189,500.00	\$138,000.00	N/A	\$103,500.00	N/A
Sweep test of existing antenna	\$6,730.00	\$4,166.67	Reduced from \$5,000 initial budget to reflect actual invoiced cost.	\$3,750.00	N/A
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$12,000.00	Cost provided by ATC as part of the interim site project.	\$9,000.00	N/A
<b>Primary Antenna TUM-AP- O4-14/56H- 2-B</b>	<b>\$359,996.00</b>	<b>\$398,876.00</b>		<b>\$398,876.00</b>	
Combiner installation	<b>\$7,000.00</b>	\$7,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$7,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.

New combiner, cost per channel (without antenna)	\$84,200.00	\$135,400.00	Dual chains of mask filter /combiner modules per Dielectric layout. Includes input power dividers, output switching, and eliminates need for mask filters.	\$135,400.00	Cost increase is due to intricate design of shared combiner system which will include mask filters for stations sharing the system. "Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Sweep test of existing antenna	\$6,730.00	\$3,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$3,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.



UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	<b>\$246,816.00</b>	\$246,816.00	Updated cost provided by ATC after final selection of Dielectric as manufacturer.	\$246,816.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	\$15,250.00	\$6,660.00	Elbow complex for the input of the new Broadband antenna.	\$6,660.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
<b>Sub-total</b>	\$675,079.33	\$656,646.00	N/A	\$618,729.33	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

Actual Information	
Description	File Name
Side mount brackets	<p><b>Component Description:</b> Custom antenna mount brackets made by dielectric due to tower design</p> <p><b>Amount:</b> \$21,600.00</p>

Combiner installation	<div> <b>Component Description:</b> Combiner installation cost. </div> <div> <b>Amount:</b> \$13,964.00 </div>
Combiner for shared broadband antenna	<div> <b>Component Description:</b> Combiner was not included in original cost estimate, but was required due to change in market coordination plans. </div> <div> <b>Amount:</b> \$68,039.33 </div>
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	<div> <b>Component Description:</b> 50% at billing milestone 2, line 3-B in ATC project cost estimate section III.B.2 Antenna Changes. </div> <div> <b>Amount:</b> \$69,000.00 </div> <div> <b>Component Description:</b> 25% at billing milestone 1, line 3-B in ATC project cost estimate section III.B.2 Antenna Changes. </div> <div> <b>Amount:</b> \$34,500.00 </div>

Sweep test of existing antenna	<div data-bbox="719 174 1382 528"> <div data-bbox="719 174 1023 208"><b>Component Description:</b></div> <div data-bbox="1158 174 1382 483">25% at billing milestone 1, line 3-C-2 sweep test of existing line in ATC project cost estimate section III.B.2 Antenna Changes.</div> <div data-bbox="719 495 826 528"><b>Amount:</b></div> <div data-bbox="1158 495 1276 528">\$1,250.00</div> </div> <div data-bbox="719 629 1382 983"> <div data-bbox="719 629 1023 663"><b>Component Description:</b></div> <div data-bbox="1158 629 1382 938">50% at billing milestone 2, line 3-C-2 sweep test of existing line in ATC project cost estimate section III.B.2 Antenna Changes.</div> <div data-bbox="719 949 826 983"><b>Amount:</b></div> <div data-bbox="1158 949 1276 983">\$2,500.00</div> </div>
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	<div data-bbox="719 1120 1382 1473"> <div data-bbox="719 1120 1023 1153"><b>Component Description:</b></div> <div data-bbox="1158 1120 1382 1429">25% at billing milestone 1, line 3-C-2 Elbow Complex in ATC project cost estimate section III.B.2 Antenna Changes.</div> <div data-bbox="719 1440 826 1473"><b>Amount:</b></div> <div data-bbox="1158 1440 1276 1473">\$3,000.00</div> </div> <div data-bbox="719 1574 1382 1928"> <div data-bbox="719 1574 1023 1608"><b>Component Description:</b></div> <div data-bbox="1158 1574 1382 1883">50% at billing milestone 2, line 3-C-2 Elbow Complex in ATC project cost estimate section III.B.2 Antenna Changes.</div> <div data-bbox="719 1895 826 1928"><b>Amount:</b></div> <div data-bbox="1158 1895 1276 1928">\$6,000.00</div> </div>
Combiner installation	

**Component Description:**

Milestone 3 (of 3)  
payment for our  
portion of the  
combiner  
installation at multi-  
user Main Site.  
This is line 3-C-2  
Combiner  
Installation in the  
project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$1,750.00

**Component Description:**

Updated  
attachment:  
Milestone 1 (of 3)  
payment for our  
portion of the  
combiner  
installation at multi-  
user Main Site.  
This is line 3-C-2  
Combiner  
Installation in the  
project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$1,750.00

	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of the combiner installation at multi-user Main Site. This is line 3-C-2 Combiner Installation in the project cost estimate section III.B.2 Antenna Changes.</p> <p><b>Amount:</b></p> <p>\$3,500.00</p>
	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>
New combiner, cost per channel (without antenna)	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of multi-user RF combiner at multi-user Main Site. This is line 3-C-1 Combiners For Shared Antenna in the project cost estimate section III.B.2 Antenna Changes.</p> <p><b>Amount:</b></p> <p>\$33,850.00</p>

<b>Component Description:</b>	Updated attachment: Milestone 1 (of 3) payment for our portion of multi-user RF combiner at multi-user Main Site. This is line 3-C-1 Combiners For Shared Antenna in the project cost estimate section III.B.2 Antenna Changes.
<b>Amount:</b>	\$33,850.00

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of multi-user RF combiner at multi-user Main Site. This is line 3-C-1 Combiners For Shared Antenna in the project cost estimate section III.B.2 Antenna Changes.
<b>Amount:</b>	\$67,700.00

---

<p>Sweep test of existing antenna</p>	<table> <tr> <td data-bbox="703 87 1145 728"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 87 1428 728"> <p>Milestone 3 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p> </td></tr> <tr> <td data-bbox="703 728 1145 817"> <p><b>Amount:</b></p> </td><td data-bbox="1145 728 1428 817"> <p>\$750.00</p> </td></tr> <tr> <td data-bbox="703 817 1145 1377"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 817 1428 1377"> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p> </td></tr> <tr> <td data-bbox="703 1377 1145 1467"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1377 1428 1467"> <p>\$750.00</p> </td></tr> <tr> <td data-bbox="703 1467 1145 1944"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 1467 1428 1944"> <p>Milestone 2 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p> </td></tr> <tr> <td data-bbox="703 1944 1145 2033"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1944 1428 2033"> <p>\$1,500.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Milestone 3 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>	<p><b>Amount:</b></p>	<p>\$750.00</p>	<p><b>Component Description:</b></p>	<p>Updated attachment: Milestone 1 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>	<p><b>Amount:</b></p>	<p>\$750.00</p>	<p><b>Component Description:</b></p>	<p>Milestone 2 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>	<p><b>Amount:</b></p>	<p>\$1,500.00</p>
<p><b>Component Description:</b></p>	<p>Milestone 3 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>												
<p><b>Amount:</b></p>	<p>\$750.00</p>												
<p><b>Component Description:</b></p>	<p>Updated attachment: Milestone 1 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>												
<p><b>Amount:</b></p>	<p>\$750.00</p>												
<p><b>Component Description:</b></p>	<p>Milestone 2 (of 3) payment for our portion of line and antenna sweep test at multi-user Main Site. This is line 3-C-2 Sweep Test in the project cost estimate section III.B.2 Antenna Changes.</p>												
<p><b>Amount:</b></p>	<p>\$1,500.00</p>												
<p>UHF - High Power Top Mount Five Station</p>													

broadband panel antenna  
elliptically or circularly  
polarized

**Component Description:**

Milestone 2 (of 3)  
payment for our  
portion of multi-  
user BBA antenna  
at multi-user Main  
Site. This is line 3-  
B UHF High  
Power Top Mount  
in the project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$123,408.00

**Component Description:**

Milestone 3 (of 3)  
payment for our  
portion of multi-  
user BBA antenna  
at multi-user Main  
Site. This is line 3-  
B UHF High  
Power Top Mount  
in the project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$61,704.00

**Component Description:**

Updated  
attachment:  
Milestone 1 (of 3)  
payment for our  
portion of multi-  
user BBA antenna  
at multi-user Main  
Site. This is line 3-  
B UHF High  
Power Top Mount  
in the project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$61,704.00



	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>
Elbow complex, single channel, at antenna input, per 8 3/16. feedline (if needed)	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of multi-user elbow complex at broad-band antenna at multi-user Main Site. This is line 3-C-2 Elbow Complex in the project cost estimate section III.B.2 Antenna Changes.</p> <p><b>Amount:</b></p> <p>\$1,665.00</p> <p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of multi-user elbow complex at broad-band antenna at multi-user Main Site. This is line 3-C-2 Elbow Complex in the project cost estimate section III.B.2 Antenna Changes.</p> <p><b>Amount:</b></p> <p>\$3,330.00</p>

**Component Description:**

Updated  
attachment:  
Milestone 1 (of 3)  
payment for our  
portion of multi-  
user elbow  
complex at broad-  
band antenna at  
multi-user Main  
Site. This is line 3-  
C-2 Elbow  
Complex in the  
project cost  
estimate section  
III.B.2 Antenna  
Changes.

**Amount:**

\$1,665.00

## Cost Information

### Transmission Line

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmission Line</b>	<b>\$31,920.00</b>	<b>\$30,320.00</b>		<b>\$12,175.50</b>	
ATC line costs	<i>\$0.00</i>	\$0.00	Budget line added in error.	\$0.00	N/A
Rigid Transmission Line - copper, 8 3/16" broadband	\$31,920.00	\$30,320.00	N/A	\$12,175.50	N/A
<b>Primary Transmission Line</b>	<b>\$1,072,702.20</b>	<b>\$315,202.20</b>		<b>\$312,969.26</b>	
Rigid Transmission Line - copper, 8 3/16" broadband	\$997,500.00	\$240,000.00	Transmission line required to feed the multi-user broadband antenna.	\$240,000.00	Reimbursement request is for the initial 7-1/16" line budget of \$240,000. The 8-3/16" line is an upgrade and WFXT will be responsible for the difference. Please see cover letter ( "Inv 4602001 ATC MS1 with CL and updated estimate.pdf for details.

Transmission line from transmitter to combiner	<b>\$75,202.20</b>	\$75,202.20	Initial plan was for combiner to be in same building as our transmitter. American Tower Corp decided to move the combiner into another building at the site. This required a major increase in transmission line cost.	\$72,969.26	N/A
<b>Sub-total</b>	\$1,104,622.20	\$345,522.20	N/A	\$325,144.76	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

Actual Information	
Description	File Name
ATC line costs	Information not provided.
Rigid Transmission Line - copper, 8 3/16" broadband	<p><b>Component Description:</b> Transmission line required for installation of the combiner system.</p> <p><b>Amount:</b> \$12,175.50</p>
Rigid Transmission Line - copper, 8 3/16" broadband	

**Component Description:**

Milestone 3 (of 3)  
payment for our  
portion of multi-  
user transmission  
line at multi-user  
Main Site. This is  
line 3-A New  
Transmission Line  
Costs in the  
project cost  
estimate section III.  
B.2 Transmission  
Line Changes.

**Amount:**

\$60,000.00

**Component Description:**

Milestone 2 (of 3)  
payment for our  
portion of multi-  
user transmission  
line at multi-user  
Main Site. This is  
line 3-A New  
Transmission Line  
Costs in the  
project cost  
estimate section III.  
B.2 Transmission  
Line Changes.

**Amount:**

\$120,000.00

	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of multi-user transmission line at multi-user Main Site. This is line 3-A New Transmission Line Costs in the project cost estimate section III. B.2 Transmission Line Changes.</p> <p><b>Amount:</b></p> <p>\$60,000.00</p>
Transmission line from transmitter to combiner	<p><b>Component Description:</b></p> <p>Tax on Dielectric invoice 558031.</p> <p><b>Amount:</b></p> <p>\$257.39</p> <p><b>Component Description:</b></p> <p>Transmission line and associated parts.</p> <p><b>Amount:</b></p> <p>\$5,525.00</p> <p><b>Component Description:</b></p> <p>Tax on Dielectric invoice 550018.</p> <p><b>Amount:</b></p> <p>\$345.31</p> <p><b>Component Description:</b></p> <p>Transmission line and associated parts.</p> <p><b>Amount:</b></p> <p>\$23,591.65</p> <p><b>Component Description:</b></p> <p>Transmission line and associated parts.</p> <p><b>Amount:</b></p> <p>\$5,414.25</p>

<b>Component Description:</b>	Freight related to Dielectric invoices 533005 and 558007.
<b>Amount:</b>	\$277.94

<b>Component Description:</b>	Transmission line elbows and associated parts.
<b>Amount:</b>	\$20,357.50

<b>Component Description:</b>	Tax on Dielectric invoice 533005.
<b>Amount:</b>	\$629.11

<b>Component Description:</b>	Transmission line parts.
<b>Amount:</b>	\$3,537.50

<b>Component Description:</b>	Tax on Dielectric invoice 558007.
<b>Amount:</b>	\$1,272.34

<b>Component Description:</b>	Freight on Dielectric invoices 542004, 550018, and 558031.
<b>Amount:</b>	\$1,614.87

<b>Component Description:</b>	Tax on Dielectric invoice 545003.
<b>Amount:</b>	\$221.09

<b>Component Description:</b>	Transmission line elbows and associated parts.
<b>Amount:</b>	\$10,065.70

<b>Component Description:</b>	Freight for invoice 545003.
<b>Amount:</b>	\$618.07

<b>Component Description:</b>	Tax on Dielectric invoice 542004.
<b>Amount:</b>	\$1,474.48

---



## Cost Information

### Tower Equipment and Rigging Costs

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Primary Tower</b>	<b>\$618,700.00</b>	<b>\$337,240.00</b>		<b>\$337,240.00</b>	
<b>GTOWER</b>					
Ground and Building A and E Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$4,700.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$4,700.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.

Construction project management	<b>\$4,000.00</b>	\$4,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$4,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$176,400.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$176,400.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.

Minor tower reinforcement /modifications	\$158,000.00	\$140,000.00	Updated cost based on results of final design and structural analysis of installation.	\$140,000.00	Cost increased after review of tower and work required to install broad band antenna on this shared use site. "Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$7,440.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$7,440.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136.
<b>Sub-total</b>	\$618,700.00	\$337,240.00	N/A	\$337,240.00	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

Actual Information	
Description	File Name
Ground and Building A and E Permit Drawing Package	
	<b>Component Description:</b>
	Milestone 3 (of 3) payment for our portion of building drawings at multi-user Main Site. This is line 3-D-1 Ground and Building drawings in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
	<b>Amount:</b>
	\$1,175.00
	<b>Component Description:</b>
	Updated attachment: Milestone 1 (of 3) payment for our portion of building drawings at multi-user Main Site. This is line 3-D-1 Ground and Building drawings in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
	<b>Amount:</b>
	\$1,175.00
	<b>Component Description:</b>
	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
	<b>Amount:</b>
	N/A

	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of building drawings at multi- user Main Site. This is line 3-D-1 Ground and Building drawings in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$2,350.00</p>
Tower Permit Drawing Package	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of tower permit drawing package at multi- user Main Site. This is line 3-D-1 Tower Permit Drawing Package in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$1,175.00</p>

	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of tower permit drawing package at multi-user Main Site. This is line 3-D-1 Tower Permit Drawing Package in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$1,175.00</p>	
	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>	
	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of tower permit drawing package at multi-user Main Site. This is line 3-D-1 Tower Permit Drawing Package in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$2,350.00</p>	
Construction project management		

<b>Component Description:</b>	Milestone 3 (of 3) payment for our portion of project management by American Tower Corp. at multi-user Main Site. This is line 3-D-1 Construction Project Management in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$1,000.00

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of project management by American Tower Corp. at multi-user Main Site. This is line 3-D-1 Construction Project Management in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$2,000.00

	<p><b>Component Description:</b></p> <p>Updated attachment: MS1 (of 3) payment for our portion of project management by ATC at multi-user Main Site. This is line 3-D-1 Construction Project Management in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$1,000.00</p>
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of tower rigging for the complex candelabra tower at multi-user Main Site. This is line 3-C-1 Complex Tower in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$44,100.00</p>



Minor tower reinforcement	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of tower rigging for the complex candelabra tower at multi-user Main Site. This is line 3- C-1 Complex Tower in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$88,200.00</p>	
	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of tower rigging for the complex candelabra tower at multi-user Main Site. This is line 3- C-1 Complex Tower in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$44,100.00</p>	
	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>	

<b>Component Description:</b>	Milestone 3 (of 3) payment for our portion of structural modifications at multi-user Main Site. This is line 3- A-2 Major Tower Reinforcement /Modifications in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$35,000.00

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of structural modifications at multi-user Main Site. This is line 3- A-2 Major Tower Reinforcement /Modifications in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$70,000.00

	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of structural modifications at multi-user Main Site. This is line 3-A-2 Major Tower Reinforcement /Modifications in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$35,000.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of tower documentation at multi-user Main Site. This is line 3-A-1 Tower Mapping in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b></p> <p>\$1,860.00</p> <p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of tower documentation at multi-user Main Site. This is line 3- A-1 Tower Mapping in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$3,720.00

<b>Component Description:</b>	Updated attachment: Milestone 1 (of 3) payment for our portion of tower documentation at multi-user Main Site. This is line 3- A-1 Tower Mapping in the project cost estimate section III. B.2 Tower Equipment and Rigging Costs.
<b>Amount:</b>	\$1,860.00

---

Cost  
Information

Outside Professional Services

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatio
Outside Professional Services	\$231,245.00	\$215,360.00		\$81,490.00	
Engineering for project	<i>\$45,150.00</i>	\$45,150.00	This budget line item reflects all costs incurred during the course of the project.	\$45,150.00	N/A
RF System Test	<i>\$5,000.00</i>	\$5,000.00	Updated reduced cost based on revised estimate from ATC.	\$5,000.00	Budget was reduced from initial 399 submission due to a revised cost estimate. "Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136

ATC Perform engineering study for new channel assignment and antenna development	<b>\$5,000.00</b>	\$5,000.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$5,000.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
Legal costs	N/A	N/A	N/A	N/A	N/A
Site Coordination Meeting	<b>\$2,500.00</b>	\$2,500.00	Updated cost based on actual coordination meeting cost.	\$2,500.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
RF Exposure Measurements	\$21,050.00	\$20,000.00	N/A	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A

Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$2,500.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$2,500.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$4,210.00	\$4,000.00	N/A	N/A	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$2,000.00	N/A	N/A	N/A



Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$3,000.00	Updated cost provided by ATC.	\$2,250.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim /aux users.	\$2,500.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Project management of the transition	\$15,010.00	\$18,960.00	Cost for management of both the interim and main tower projects.	\$16,590.00	"Inv 460200136 ATC MS1 with CL and updated estimate. pdf" replaces all previous versions of invoice number 460200136

<b>Sub-total</b>	\$231,245.00	\$215,360.00	N/A	\$81,490.00	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

Actual Information Description	File Name
Engineering for project	<p><b>Component Description:</b> Reimbursable engineering consulting costs for the project.</p> <p><b>Amount:</b> \$7,275.00</p> <p><b>Component Description:</b> Reimbursable engineering costs for project.</p> <p><b>Amount:</b> \$5,400.00</p> <p><b>Component Description:</b> Reimbursable engineering consulting costs.</p> <p><b>Amount:</b> \$32,475.00</p>
RF System Test	<p><b>Component Description:</b> Milestone 3 (of 3) payment for our portion of RF system testing at multi-user Main Site. This is line 1-B-1 RF System Test in the project cost estimate section III.B.5 Outside Professional Services.</p> <p><b>Amount:</b> \$1,250.00</p>

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of RF system testing at multi-user Main Site. This is line 1- B-1 RF System Test in the project cost estimate section III.B.5 Outside Professional Services.
<b>Amount:</b>	\$2,500.00

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of RF system testing at multi-user Main Site. This is line 1-B-1 RF System Test in the project cost estimate section III.B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>
ATC Perform engineering study for new channel assignment and antenna development	<p><b>Component Description:</b></p> <p>Milestone 3 (of 3) payment for our portion of ATC engineering on multi-user BBA antenna at multi-user Main Site. This is line 1-A-2 Perform Engineering Study in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>

	<p><b>Component Description:</b></p> <p>Updated attachment: Milestone 1 (of 3) payment for our portion of ATC engineering on multi-user BBA antenna at multi-user Main Site. This is line 1-A-2 Perform Engineering Study in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>
	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of ATC engineering on multi-user BBA antenna at multi-user Main Site. This is line 1-A-2 Perform Engineering Study in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$2,500.00</p>
Legal costs	Information not provided.
Site Coordination Meeting	

<b>Component Description:</b>	Milestone 3 (of 3) payment for our portion of coordination meeting for multi- user Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost estimate section III. B.5 Outside Professional Services.
<b>Amount:</b>	\$625.00

<b>Component Description:</b>	Updated attachment: Milestone 1 (of 3) payment for our portion of coordination meeting for multi- user Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost estimate section III. B.5 Outside Professional Services.
<b>Amount:</b>	\$625.00

	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of coordination meeting for multi-user Main Site. This is line 1-B-1 Site Coordination Meeting in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>
	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>
	<p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>
RF Exposure Measurements	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	

**Component Description:**

Milestone 3 (of 3)  
payment for our  
portion of  
environmental  
assessment at  
multi-user Main  
Site. This is line 1-  
A-3 Environmental  
Assessment in the  
project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$625.00

**Component Description:**

Updated  
attachment:  
Milestone 1 (of 3)  
payment for our  
portion of  
environmental  
assessment at  
multi-user Main  
Site. This is line 1-  
A-3 Environmental  
Assessment in the  
project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$625.00



	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of environmental assessment at multi-user Main Site. This is line 1-A-3 Environmental Assessment in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare request for Special Temporary Authorization	Information not provided.
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application	Information not provided.

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.								
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Information not provided.								
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.								
Perform engineering study for new channel assignment and antenna development	<table> <tr> <td><b>Component Description:</b></td><td>50% at billing milestone 2, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.</td></tr> <tr> <td><b>Amount:</b></td><td>\$1,500.00</td></tr> <tr> <td><b>Component Description:</b></td><td>25% at billing milestone 1, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.</td></tr> <tr> <td><b>Amount:</b></td><td>\$750.00</td></tr> </table>	<b>Component Description:</b>	50% at billing milestone 2, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.	<b>Amount:</b>	\$1,500.00	<b>Component Description:</b>	25% at billing milestone 1, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.	<b>Amount:</b>	\$750.00
<b>Component Description:</b>	50% at billing milestone 2, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.								
<b>Amount:</b>	\$1,500.00								
<b>Component Description:</b>	25% at billing milestone 1, line 1-A-2 in ATC project cost estimate section III.B.5 Outside Professional Services.								
<b>Amount:</b>	\$750.00								
Address transition timing and coordination issues w/ other stations and wireless									

**Component Description:**

Milestone 3 (of 3)  
payment for our  
portion of ATC  
transition timing  
coordination at  
multi-user Main  
Site. This is line 1-  
A-1 Address  
Transition Timing  
and Coordination  
in the project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$625.00

**Component Description:**

Updated  
attachment:  
Milestone 1 (of 3)  
payment for our  
portion of ATC  
transition timing  
coordination at  
multi-user Main  
Site. This is line 1-  
A-1 Address  
Transition Timing  
in the project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$625.00

	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of ATC transition timing coordination at multi-user Main Site. This is line 1- A-1 Address Transition Timing and Coordination in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$1,250.00</p>
Prepare and or review reimbursement form	Information not provided.
Project management of the transition	<p><b>Component Description:</b></p> <p>Main Site milestone 3 (of 3) payment for our portion of American Tower's project management. This is line 1-A-1 Project Management in the project cost estimate section III. B.5 Outside Professional Services.</p> <p><b>Amount:</b></p> <p>\$2,370.00</p> <p><b>Component Description:</b></p> <p>This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.</p> <p><b>Amount:</b></p> <p>N/A</p>

**Component Description:**

Updated  
attachment: Main  
Site milestone 1 (of  
3) payment for our  
portion of  
American Tower's  
project  
management. This  
is line 1-A-1  
Project  
Management in the  
project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$2,370.00

**Component Description:**

25% Interim Site  
milestone 1 (of 3)  
payment for our  
portion of  
American Tower's  
project  
management. This  
is line 1-A-1  
Project  
Management in the  
project cost  
estimate section III.  
B.5 Outside  
Professional  
Services.

**Amount:**

\$2,370.00

<b>Component Description:</b>	50% Interim Site milestone 2 (of 3) payment for our portion of American Tower's project management. This is line 1-A-1 Project Management in the project cost estimate section III. B.5 Outside Professional Services.
<b>Amount:</b>	\$4,740.00

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Main Site milestone 2 (of 3) payment for our portion of American Tower's project management. This is line 1-A-1 Project Management in the project cost estimate section III. B.5 Outside Professional Services.
<b>Amount:</b>	\$4,740.00

---

Cost  
Information

Other Expenses

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$242,009.46	\$241,404.46		\$125,127.17	
Main Site Structural Engineering Study	<i>\$5,700.00</i>	\$5,700.00	Cost to determine required upgrades and structural enhancements to tower as a result of the work and installation of new antennas.	\$5,700.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131
Main Site Security During Install	<i>\$3,600.00</i>	\$3,600.00	Cost to provide security of construction supplies and equipment.	\$3,600.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131

Main Site Public Hearing	<b>\$400.00</b>	\$400.00	Cost for representation at any required public hearings.	\$400.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131
Main Site Nitrogen System	<b>\$3,000.00</b>	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	\$3,000.00	A nitrogen generator was added to the project scope after initial 399 submission due to a project oversight by ATC. "Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131



Main Site Asbestos and Lead Tests	<b>\$1,800.00</b>	\$1,800.00	Cost for testing of any material required during construction.	\$1,800.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131
Interim Site transition timing and coordination	<b>\$2,000.00</b>	\$2,000.00	N/A	\$1,500.00	N/A
Interim Site Tower Permit Drawing Package	<b>\$4,700.00</b>	\$4,700.00	N/A	\$3,525.00	N/A
Interim Site Site Coordination Meeting	<b>\$960.00</b>	\$960.00	Updated cost based on updated cost estimate from ATC.	\$720.00	N/A
Interim Site Public Hearing	<b>\$240.00</b>	\$240.00	N/A	\$180.00	N/A
Interim Site Nitrogen System Upgrade	<b>\$3,000.00</b>	\$3,000.00	ATC provided cost for site shared nitrogen generation system.	N/A	N/A
Interim Site Lease	<b>\$57,600.00</b>	\$57,600.00	N/A	\$43,200.00	N/A
Interim Site Ground and Building Permit Drawings	<b>\$4,700.00</b>	\$4,700.00	N/A	\$3,525.00	N/A

Interim Site Equipment Delivery and Handling Costs	<b>\$3,000.00</b>	\$3,000.00	N/A	\$2,250.00	N/A
Interim Site Building Permits	<b>\$750.00</b>	\$750.00	N/A	\$562.50	N/A
MVPD Notification of Channel Change	<b>\$2,001.00</b>	\$2,001.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	<b>\$15,000.00</b>	\$15,000.00	N/A	N/A	N/A
Equipment Storage	<b>\$8,000.00</b>	\$8,000.00	External locked storage container to store equipment during construction.	N/A	N/A
Equipment Delivery and Handling Charges	<b>\$3,000.00</b>	\$3,000.00	ATC estimated \$3,000 for Main site	\$3,000.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions of invoice number 460200131

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$20,000.00</b>	\$20,000.00	\$5,000 ATC estimate, plus \$15,000 estimate for recycling and removal of oil-filled power supplies, tubes, and other equipment.	\$5,000.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131
Local Zoning	<b>\$750.00</b>	\$750.00	Cost provided by ATC as part of the main site project. WFXT will be the primary user. WCVB, WBZ, WSBK, and WGBX will be interim/aux users.	\$750.00	"Inv 460200131 ATC MS1 with CL and updated estimate. pdf" replaces a previous versions o invoice number 460200131
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	\$1,110.00	\$1,070.00	N/A	N/A	N/A

Interim Site RF System Test	<b>\$5,000.00</b>	\$5,000.00	Increased from \$3,000 to \$5,000 due to additional testing required through combiner system.	\$5,000.00	Estimate increased to actual cost required due to addition of combiner system.
Interim Site Tower Rigging	<b>\$36,410.00</b>	\$36,410.00	Updated based on final invoice from ATC.	\$36,410.00	N/A
Interim Site Construction Project Management	<b>\$11,782.86</b>	\$11,782.86	Updated cost based on final billing from ATC.	\$3,829.67	N/A
Side Mount BBA Ice Shield	<b>\$1,175.00</b>	\$1,175.00	As-billed amount for the ice shield.	\$1,175.00	Original estimate did not include an appropriate ice shield
8-inch transmission Line refurbishment	<b>\$34,250.60</b>	\$34,250.60	As-billed amount	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$242,009.46	\$241,404.46	N/A	\$125,127.17	N/A
<b>Total for all systems</b>	\$7,024,261.04	\$4,972,891.08	N/A	\$4,250,883.07	N/A

## Components

**Actual Information**  
**Description**

**File Name**

Main Site Structural  
Engineering Study

**Component Description:**

ATC Milestone 3  
invoice line 3-A-1  
structural  
engineering load  
study for main  
tower in the project  
cost estimate  
section III.B.4  
Tower Equipment  
and Rigging Costs.

**Amount:**

\$1,425.00

**Component Description:**

Updated  
attachment: ATC  
Milestone 1  
invoice line 3-A-1  
structural  
engineering load  
study for main  
tower in the project  
cost estimate  
section III.B.4  
Tower Equipment  
and Rigging Costs.

**Amount:**

\$1,425.00

**Component Description:**

ATC Milestone 2  
invoice line 3-A-1  
structural  
engineering load  
study for main  
tower in the project  
cost estimate  
section III.B.4  
Tower Equipment  
and Rigging Costs.

**Amount:**

\$2,850.00

Main Site Security During Install	<b>Component Description:</b>  <b>Amount:</b>	ATC Milestone 3 invoice line 1-B-1 Site Security during construction in the project cost estimate section III. B.6 Other Expenses. \$900.00
	<b>Component Description:</b>  <b>Amount:</b>	ATC Milestone 2 invoice line 1-B-1 Site Security during construction in the project cost estimate section III. B.6 Other Expenses. \$1,800.00
	<b>Component Description:</b>  <b>Amount:</b>	Updated attachment: ATC Milestone 1 invoice line 1-B-1 Site Security during construction in the project cost estimate section III. B.6 Other Expenses. \$900.00

Main Site Public Hearing

**Component Description:** ATC Milestone 3  
invoice line 1-B-1  
public hearing in  
the project cost  
estimate section III.

**Amount:** B.6 Other  
Expenses.  
\$100.00

**Component Description:** ATC Milestone 2  
invoice line 1-B-1  
public hearing in  
the project cost  
estimate section III.

**Amount:** B.6 Other  
Expenses.  
\$200.00

**Component Description:** Updated  
attachment: ATC  
Milestone 1  
invoice line 1-B-1  
public hearing in  
the project cost  
estimate section III.

**Amount:** B.6 Other  
Expenses.  
\$100.00

Main Site Nitrogen System

**Component Description:**

ATC Milestone 3  
billing at 50% of  
invoice line 1-B-1  
Nitrogen  
Generator in the  
project cost  
estimate section III.  
B.6 Other  
Expenses.

**Amount:**

\$750.00

**Component Description:**

Updated  
attachment: ATC  
Milestone 1 billing  
at 25% of invoice  
line 1-B-1 Nitrogen  
Generator in the  
project cost  
estimate section III.  
B.6 Other  
Expenses.

**Amount:**

\$750.00

**Component Description:**

ATC Milestone 2  
billing at 50% of  
invoice line 1-B-1  
Nitrogen  
Generator in the  
project cost  
estimate section III.  
B.6 Other  
Expenses.

**Amount:**

\$1,500.00



Main Site Asbestos and  
Lead Tests

**Component Description:**

ATC Milestone 3  
billing of 50% of  
total on line 1-B-1  
testing for  
asbestos and lead  
paint in the project  
cost estimate  
section III.B.6  
Other Expenses.

**Amount:**

\$450.00

**Component Description:**

Updated  
attachment: ATC  
Milestone 1 billing  
of 25% of total on  
line 1-B-1 testing  
for asbestos and  
lead paint in the  
project cost  
estimate section III.  
B.6 Other  
Expenses.

**Amount:**

\$450.00

**Component Description:**

ATC Milestone 2  
billing of 50% of  
total on line 1-B-1  
testing for  
asbestos and lead  
paint in the project  
cost estimate  
section III.B.6  
Other Expenses.

**Amount:**

\$900.00

Interim Site transition timing and coordination	<b>Component Description:</b>	25% at billing milestone 1, line 1-A-1 Address transition timing and coordination in ATC project cost estimate section III. B.5 Outside Professional Services.
	<b>Amount:</b>	\$500.00
	<b>Component Description:</b>	50% at billing milestone 2, line 1-A-1 Address transition timing and coordination in ATC project cost estimate section III. B.5 Outside Professional Services.
	<b>Amount:</b>	\$1,000.00

Interim Site Tower Permit Drawing Package	<div data-bbox="715 174 1382 566"> <p><b>Component Description:</b> 25% at billing milestone 1, line 3-D-1 Tower Permit Drawing Package in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b> \$1,175.00</p> </div> <div data-bbox="715 674 1382 1066"> <p><b>Component Description:</b> 50% at billing milestone 2, line 3-D-1 Tower Permit Drawing Package in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b> \$2,350.00</p> </div>
--	--

Interim Site Site Coordination Meeting	<div> <b>Component Description:</b> 25% at billing milestone 1, line 1-B-1 Site Coordination Meeting in ATC project cost estimate section III. B.5 Outside Professional Services.         </div> <div> <b>Amount:</b> \$240.00         </div>
	<div> <b>Component Description:</b> 50% at billing milestone 2, line 1-B-1 Site Coordination Meeting in ATC project cost estimate section III. B.5 Outside Professional Services.         </div> <div> <b>Amount:</b> \$480.00         </div>
Interim Site Public Hearing	<div> <b>Component Description:</b> 25% at billing milestone 1, line 1-B-1 Public Hearing in ATC project cost estimate section III. B.6 Other Expenses.         </div> <div> <b>Amount:</b> \$60.00         </div> <div> <b>Component Description:</b> 50% at billing milestone 2, line 1-B-1 Public Hearing in ATC project cost estimate section III. B.6 Other Expenses.         </div> <div> <b>Amount:</b> \$120.00         </div>

Interim Site Nitrogen System Upgrade	Information not provided.	
Interim Site Lease	<p><b>Component Description:</b></p> <p>25% at billing milestone 1, line 1-B-1 ATC one-time tower rental during repack in ATC project cost estimate section III. B.6 Other Expenses.</p> <p><b>Amount:</b></p> <p>\$14,400.00</p>	
	<p><b>Component Description:</b></p> <p>50% at billing milestone 2, line 1-B-1 ATC one-time tower rental during repack in ATC project cost estimate section III. B.6 Other Expenses.</p> <p><b>Amount:</b></p> <p>\$28,800.00</p>	

Interim Site Ground and Building Permit Drawings	<div> <b>Component Description:</b> 50% at billing milestone 2, line 3-D-1 Ground &amp; Building A&amp;E Drawings in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs. </div> <div> <b>Amount:</b> \$2,350.00 </div>
	<div> <b>Component Description:</b> 25% at billing milestone 1, line 3-D-1 Ground &amp; Building A&amp;E Drawings in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs. </div> <div> <b>Amount:</b> \$1,175.00 </div>
Interim Site Equipment Delivery and Handling Costs	<div> <b>Component Description:</b> 50% at billing milestone 2, line 1-A-4 in ATC project cost estimate section III.B.6 Other Expenses. </div> <div> <b>Amount:</b> \$1,500.00 </div> <div> <b>Component Description:</b> 25% at billing milestone 1, line 1-A-4 in ATC project cost estimate section III.B.6 Other Expenses. </div> <div> <b>Amount:</b> \$750.00 </div>

Interim Site Building Permits	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> 25% at billing milestone 1, line 1-A-3 in ATC project cost estimate section III.B.6 Other Expenses.  \$187.50 </div> </div> <div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> 50% at billing milestone 2, line 1-A-3 in ATC project cost estimate section III.B.6 Other Expenses.  \$375.00 </div> </div>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.
Equipment Delivery and Handling Charges	<div> <div> <b>Component Description:</b>   <b>Amount:</b> </div> <div> Updated attachment:  Milestone 1 (of 3) payment for our portion of ATC equipment handling and delivery at multi-user Main Site. This is line 1-A-4 Equipment Delivery in the project cost estimate section III. B.6 Other Expenses.  \$750.00 </div> </div>

<b>Component Description:</b>	Milestone 3 (of 3) payment for our portion of ATC equipment handling and delivery at multi- user Main Site. This is line 1-A-4 Equipment Delivery in the project cost estimate section III. B.6 Other Expenses.
<b>Amount:</b>	\$750.00

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Milestone 2 (of 3) payment for our portion of ATC equipment handling and delivery at multi- user Main Site. This is line 1-A-4 Equipment Delivery in the project cost estimate section III. B.6 Other Expenses.
<b>Amount:</b>	\$1,500.00



Disposal Costs (for equipment and other waste, net of any salvage value)	<p><b>Component Description:</b></p>	<p>Milestone 3 (of 3) payment for our portion of disposal costs at multi-user Main Site. This is line 1-A-4 Disposal Cost in the project cost estimate section III.B.6 Other Expenses. \$1,250.00</p>
	<p><b>Amount:</b></p>	
	<p><b>Component Description:</b></p>	<p>Milestone 2 (of 3) payment for our portion of disposal costs at multi-user Main Site. This is line 1-A-4 Disposal Cost in the project cost estimate section III.B.6 Other Expenses. \$2,500.00</p>
	<p><b>Amount:</b></p>	
	<p><b>Component Description:</b></p>	<p>Updated attachment: Milestone 1 (of 3) payment for our portion of disposal costs at multi-user Main Site. This is line 1-A-4 Disposal Cost in the project cost estimate section III.B.6 Other Expenses. \$1,250.00</p>
	<p><b>Amount:</b></p>	
Local Zoning		

<b>Component Description:</b>	Milestone 3 (of 3) payment for our portion of building permits at multi- user Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section III. B.6 Other Expenses.
<b>Amount:</b>	\$187.50

<b>Component Description:</b>	Updated attachment: Milestone 1 (of 3) payment for our portion of building permits at multi- user Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section III. B.6 Other Expenses.
<b>Amount:</b>	\$187.50

<b>Component Description:</b>	This cost component line is unnecessary due to unlocking of invoice to make corrections to initial errant submissions.
<b>Amount:</b>	N/A

	<p><b>Component Description:</b></p> <p>Milestone 2 (of 3) payment for our portion of building permits at multi-user Main Site. This is line 1-A-3 Obtain Building Permits in the project cost estimate section III. B.6 Other Expenses.</p> <p><b>Amount:</b></p> <p>\$375.00</p>
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.

Interim Site RF System Test	<div> <div>Component Description:</div> <div>RF system testing for compliance /safety of operation.</div> </div> <div> <div>Amount:</div> <div>\$2,750.00</div> </div>
	<div> <div>Component Description:</div> <div>50% at billing milestone 2, line 1-B-1 RF System Test in ATC project cost estimate section III. B.5 Outside Professional Services.</div> </div> <div> <div>Amount:</div> <div>\$1,500.00</div> </div>
	<div> <div>Component Description:</div> <div>25% at billing milestone 1, line 1-B-1 RF System Test in ATC project cost estimate section III. B.5 Outside Professional Services.</div> </div> <div> <div>Amount:</div> <div>\$750.00</div> </div>

Interim Site Tower Rigging	<div> <div>Component Description:</div> <div>Final total cost for rigging based on actual incurred expense.</div> </div> <div> <div>Amount:</div> <div>\$11,660.00</div> </div>
	<div> <div>Component Description:</div> <div>25% at billing milestone 1, line 3-C-1 in ATC project cost estimate section III.B.4 Tower Equipment and Rigging Costs.</div> </div> <div> <div>Amount:</div> <div>\$8,250.00</div> </div>
	<div> <div>Component Description:</div> <div>50% at billing milestone 2, line 3-C-1 in ATC project cost estimate section III.B.4 Tower Equipment and Rigging Costs.</div> </div> <div> <div>Amount:</div> <div>\$16,500.00</div> </div>

Interim Site Construction Project Management	<p><b>Component Description:</b> Portion of cost for project management.</p> <p><b>Amount:</b> \$1,579.67</p>
	<p><b>Component Description:</b> 50% at billing milestone 2, line 3-D-1 Construction Project Management in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b> \$1,500.00</p>
	<p><b>Component Description:</b> 25% at billing milestone 1, line 3-D-1 Construction Project Management in ATC project cost estimate section III. B.4 Tower Equipment and Rigging Costs.</p> <p><b>Amount:</b> \$750.00</p>
Side Mount BBA Ice Shield	<p><b>Component Description:</b> Ice shield for antenna</p> <p><b>Amount:</b> \$1,175.00</p>
8-inch transmission Line refurbishment	Information not provided.
DTV Medical Facility Notification	Information not provided.

**Cost  
Information**

**Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$7,024,261.04	\$4,972,891.08	\$4,250,883.07

**Reimbursement Status**

Question	Response
The facility has ceased operating on its pre-auction channel.	Yes
Construction of final facilities or all necessary modifications are complete.	Yes
All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator.	No

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	



4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

<p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Sean Anker</b>  <i>Director of Engineering</i></p> <p>10/08/2021</p>

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol>	

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Sean Anker</b>  <i>Director of Engineering</i></p> <p>10/08/2021</p>

Certification	Section	Question	Response
	Submission of Final Allocation or Accounting Information Statements	<p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>	
		<ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol>	

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

**Sean Anker**  
*Director of Engineering*

10/08/2021

**Attachments**