

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility 73982 Service: DTV Call WSBK-TV Channel: 21 (UHF)

ID: Sign: File **0000027826**

Number:

FRN: **0021079769** Date **04/05**

Submitted: /2019

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
CBS TELEVISION LICENSES LLC Doing Business As: CBS TELEVISION LICENSES LLC	Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States	+1 (202) 457-4505	dryson@cbs. com	Limited Liability Company

Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Daniel G. Ryson Associate Director of Spectrum Management CBS	Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States	+1 (202) 457- 4074	dryson@cbs. com

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	American Tower will build an interim site in Needham, MA with broadband ant and tx bldg to be used by WSBK-TV and all stations listed above. Main site will be built in Needham Heights, MA

Transmitters

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

Primary Transmitter

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	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
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	Diamond
	Year	2002
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	7 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?	No
	Manufacturer	
	Model	UAXTE- 12R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	7.2 kW
	Justification for New Transmitter	Existing transmitter cannot be re-tuned to the new channel.

Primary 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	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
		ı

	Description	Surge suppressor and 75 kVa transformer. Required by primary transmitter. See Exhibit 1 Item D.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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

Other Transmitter Cost Not Listed

Primary
Transmitter Information not provided.

Interim Transmitter

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	UAXTE- 16R44
	Transmitter Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power capacity	7.68 kW
	Justification for New Transmitter	Interim transmitter needed while construction at the main site is in progress. Our plan once specified a GatesAir UAXTE- 12R44 but that transmitter is said to be unsuitable for interim operation on both channels 39 and 21.

Interim Transmitter

Other Transmitter Costs

Section	Question	Response
000	4400	response

Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	500 k\
	Rigid Conduit and Wiring	Yes
	Size	2 inch
	Length	200.0
	Other Electrical Service	Yes
	Description	Transf and su suppre require transm operat See E: 7, Item
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Coolin Only
	Size	20 ton
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	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
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	No

Interim Transmitter

Other Transmitter Cost Not Listed

Name	Description
Transmitter Electrical	Install Electrical for transmitter, pumps, racks, transformer, etc.
4 Inch Conduit	100' L/F of 4" conduit and larger conductor to power new transmitters, HVAC, Air handlers and house power. The existing power supply is for the additional power demands of the new repack equipment. See Exhibit 3.
New Sub Panels	4 new sub panels at approximately 200 amps each, to power each additional transmitter, house power, HVAC, and ancillary equipment. See Exhibit 3.

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	Leased
	Owner	American Tower
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	Is the existing antenna directional?	No
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	99
	Design power capacity in use	87.0 %
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	135.0 kW

Manufacturer	
Model	TAD- 24UDA-5 /60-MR
Year	1999

Facility ID's and Call Signs of all stations with whom the antenna is shared.

Facility ID	Call Sign
72098	WGBX-TV
25456	WBZ-TV
65684	WCVB-TV

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Lease New
	Is this a request for upgraded equipment?	Yes
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	Yes
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	4
	Number of Panels/Bays	56
	Lower Limit	470.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	99.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	92.2 kW
	Manufacturer	

Model	TUM-AP-O4- 14/56H-2-T
Year	2020
Justification for New Antenna	Top Mount 14 bay Broadband antenna required to accommodate the new repack frequencies. This antenna will be a four- sided assembly mast. In use power capacity is unknown. Pre- transition antenna has 120 panels. See Exhibit 2.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	4
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband
		'

	Feed Line Size	8 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power 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

Enter a list of RF channel numbers.

RF Channel Number
20
21
32
33

Primary Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner Installation	Installation cost of the new dual chain combiner with 8 modules; replacing existing combiner. See Exhibit 2.

Interim Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top Mount
	Antenna position in stack	Bottom
	Polarization	Elliptical
	Туре	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	56
	Lower Limit	470.00 MHz
	Upper Limit	650.00 MHz
	Design power capacity in use	99.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	99.2 kW
	Manufacturer	
	Model	TUM-AP-O4- 14/56H-2-T 14

Interim Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	5
	Frequencies of channels supported	Upper and lower frequency
	Frequency	470.0 MHz - 650.0 MHz
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	7 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
Combiner Installation	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. See Exhibit 3.
Tower Rent	One-time tower rental during repack. See Exhibit 3.

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

Primary Transmission Line

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Utilize Existing
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower Corporation
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	Dielectric
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1440 feet per run

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

Facility ID	Call Sign
72098	WGBX-TV
25456	WBZ-TV
65684	WCVB-TV

Primary

Other Transmission Line Expenses Not Listed

Transmission	า <mark>Jaine</mark>	Description
	Nitrogen Generator	Nitrogen Generator. See Exhibit 14.

Interim **Transmission**

New Transmission Line

Section	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Туре	Rigid
	Diameter	8 3/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	2
	Length	1250 feet per
	Justification for New Transmission Line	Two (2) 8-inch broadband rigid transmission lines, six (6) elbows (3 each line). Because this line size is an

upgrade, we will only seek reimbursement for 7-inch line.

Other Transmission Line Expenses Not Listed Transmission Line tion not provided.

Tower Equipment And Rigging Costs

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

Auxiliary Tower

Add Tower

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim
	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	Do you have a tower registration number?	Yes
Structure Registration	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
6463	WFXT	DTV
73238	WLVI	DTV
9639	WODS	FM
26897	WWBX	FM
1901	WBZ-FM	FM
23439	WBOS	FM

Auxiliary Tower

Tower Modification Costs

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

Auxiliary Tower

Tower Rigging Costs

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra

Helicopter Services	
Required	

Are helicopter services required?

No

Auxiliary Tower

Other Tower Expenses Not Listed

Name	Description
Construction Management	Nine hours on Modification project management and fifteen hours for RF installation project management for a total of twenty days. See Exhibit 3.
Tower Permit Packages	Tower and ground equipment drawing package. Required for local approvals. See Exhibit 3.

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?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1003433
Coordinates (NAD83 (Latitude (NAD83)	42° 18' 37.0" N-
North American Datum of 1983))	Longitude (NAD83)	071° 14' 12.0" W-
	Overall Structure Height	1296.24 feet
	Support Structure Height	1192.24 feet
	Ground Elevation Above Mean Sea Level (AMSL)	152.89 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Tower, LLC
	Date Constructed	01/01/1957

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
72098	WGBX-TV	DTV
72099	WGBH-TV	DTV
25456	WBZ-TV	DTV
18783	WYDN	DTV
10542	WKLB-FM	FM
65684	WCVB-TV	DTV
68241	WBUR-FM	FM

Primary Tower

Tower Modification Costs

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for 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
Helicopter Services Required	Are helicopter services required?	No

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Tower Permit Packages	Construction drawing packages for tower, building, and ground. See Exhibit 2.
Construction Management	(44) hours on Modification project management and RF installation project management. See Exhibit 2.

Outside Professional

Section	Question	Response
I Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	250
	Explanation	Company lacks internal resources.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	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
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	No
Services	For Auxiliary Facility	N/A
	For Main Facility	N/A
	Prepare and file Form FCC License to Cover Application	No
	For Auxiliary Facility	N/A

	For Main Facility	N/A
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	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	No
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional

Other Professional Services Expenses Not Listed

Services Costs	Description
RF System Test	Testing of the combiner to ensure all frequencies are tuned for optimal patterns. See Exhibits 2 and 3.
Site Coordination Meeting	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. (See Exhibit 2.)

Other Expenses

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

Other Expenses

Other Expenses Not Listed

Name	Description
Asbestos and Lead Paint Testing	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. (See Exhibit 3.)
Building Partition	This cost is to provide permitting for building partition and electrical service installation in the shared space. This install is to provide security for broadcasters and sufficient power for transmitters. See Exhibit 3.
Ice Shield for HVAC	Ice protection for HVAC compressor units near tower in areas prone to ice and snow. See Exhibit 3.
Public Hearing	Public hearing to alter height of primary tower by changing top antenna. See Exhibit 2.
Site Coordination Meeting	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. See Exhibits 2 and 3.
Site Security	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. (See Exhibit 3.)
Deinstall Old Transmitter	Complete removal and deinstallation of existing WSBK transmitter. See Exhibit 1 Item F.

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 UAXTE- 16R44	\$451,647.34	\$365,607.34		\$311,942.29	
UHF - Air Cooled Solid State Transmitter 7.68 kW	\$263,330.97	\$263,330.97	Originally proposed UAXTE-12R44 is said to be incapable of operating on both pretransition and post-transition channels. See Exhibit 12 for justification. See also Exhibit 7 Items A, B, C, and E.	\$247,352.92	Corrected metadata (invoice and due dates) March 1, 2018.
New Sub Panels	\$10,000.00	\$10,000.00	Four new 200 amp sub panels to power additional transmitter, house power, HVAC, and ancillary equipment. See Exhibit 3.	\$7,500.00	N/A
4 Inch Conduit	\$1,920.00	\$1,920.00	100' L/F of 4" conduit and larger conductor for 500 KVA power needed for the new transmitters, HVAC, Air handlers and house power. The existing	\$1,440.00	N/A

			power supply is for the additional power demands of the new repack equipment. See Exhibit 3.		
Transmitter Electrical	\$43,970.00	\$43,970.00	Install electrical for GatesAir UAXTE-16 transmitter, pumps, heat exchangers, transformer, racks, etc. See Exhibit 18.	\$19,773.00	N/A
Other HVAC Service Type: C Size:20 (Other)	\$22,000.00	\$22,000.00	Two 20 ton HVAC units required to maintain operational temperatures for repack transmitters. This is to supplement existing HVAC units already in place. See Exhibit 3.	\$16,500.00	N/A
Other Electrical Service: Transformer and surge suppressor required for transmitter operation. See Exhibit 7, Item D.	\$4,226.37	\$4,226.37	Transformer and surge suppressor. Required for proper operation of transmitter. See Exhibit 7 Item D.	\$4,226.37	N/A
2" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$1,000.00	200 L/F of 2" conduit and conductor to adequately supply the HVAC, Air handlers and	\$750.00	N/A

			The existing power supply is inadequate for the additional power demands of the new repack equipment. See Exhibit 3.		
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$9,200.00	Install additional power, 500 KVA transformer, for new tenant space so customer can operate transmitter, heat exchangers and other equipment on the new repack frequency into the broadband antenna. See Exhibit 3.	\$6,900.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$7,260.00	Switchgear accommodates repack equipment and support the new 500 KVA transformer. The existing service does not have sufficient capacity to support multiple transmitters. See Exhibit 3.	\$5,445.00	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$2,700.00	New Switchgear required for the additional repack equipment. The switch will support the new 500 KVA transformer. The	\$2,055.00	N/A

House power.

existing service does not have sufficient capacity to support multiple transmitters. See Exhibit 3.

Primary Transmitter UAXTE- 12R44	\$261,930.23	\$261,930.23		\$94,743.41	
Other Electrical Service: Surge suppressor and 75 kVa transformer. Required by primary transmitter. See Exhibit 1 Item D.	\$5,552.76	\$5,552.76	75 KVA transformer and parallel surge suppressor. Required for proper operation of the transmitter.	N/A	N/A
UHF - Air Cooled Solid State Transmitter 7.2 kW	\$256,377.47	\$256,377.47	Primary transmitter required for repack. See Exhibit 1, items A, B, C, and E.	\$94,743.41	N/A
Sub-total	\$713,577.57	\$627,537.57	N/A	\$406,685.70	N/A
Total for all systems	\$4,523,154.57	\$1,611,924.57	N/A	\$714,757.95	N/A

Components

Actual Information Description	File Name	
UHF - Air Cooled Solid State Transmitter 7.68 kW	Component Description:	Interim Transmitter Progress Payment.
	Amount:	\$89,185.78

Component Description: WSBK Interim

Transmitter Down

Payment.

Amount: \$91,252.45

Component Description: Invoice is for

remainder due on interim transmitter. This invoice is split between this cost category and

transmitter electrical.

Amount: \$66,914.69

New Sub Panels

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Electrical Sub Panels, Exhibit 3, 3-C-6.

Amount: \$5,000.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Electrical Sub Panels, Exhibit 3, 3-C-6.

Amount: \$2,500.00

4 Inch Conduit

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of 4-inch rigid conduit, Exhibit 3,

3-C-1.

Amount: \$960.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of 4-inch rigid conduit, Exhibit 3,

3-C-1.

Amount: \$480.00

Transmitter Electrical

Component Description: Work completed

minus 10% retainage. See Exhibit 19. The form won't permit

entry of

ampersand in company name.

Amount: \$19,773.00

Other -- HVAC Service Type: C Size:20 (Other)

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of 20-Ton HVAC, Exhibit 3,

3-C-2.

Amount: \$5,500.00

Component Description: Invoice is 50%

> Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of 20-Ton HVAC, Exhibit 3,

3-C-2.

\$11,000.00 Amount:

Other Electrical Service: Transformer and surge suppressor required for transmitter operation. See Exhibit 7, Item D.

Component Description: Invoice is for

Balance Due on

Interim

Transmitter, including item D -Electrical. This invoice is split between this category and the transmitter

category.

Amount: \$4,226.37

2" Rigid Conduit and Wiring (Cost per foot)

Component Description: Invoice is 50%

> Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of 2-inch rigid conduit, Exhibit 3,

3-C-1.

Amount: \$500.00 Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of 2-inch rigid conduit, Exhibit 3,

3-C-1.

Amount: \$250.00

Transformer 3 phase/480v - 500 KVA

Component Description:

Invoice is 25%
Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of 500 KVA Transformer, Exhibit 3, 3-C-1.

Amount: \$2,300.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of 500 KVA Transformer, Exhibit 3, 3-C-1.

Amount: \$4,600.00

Switchgear - industrial 800 amp

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Switch Gear, Exhibit 3, 3-

C-1.

Amount: \$1,815.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Switch Gear, Exhibit 3, 3-

C-1.

Amount: \$3,630.00

Service entrance 3 phase /800 amp/208 volt

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Service Entrance, Exhibit

3, 3-C-1.

Amount: \$685.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Service Entrance, Exhibit

3, 3-C-1.

Amount: \$1,370.00

Other Electrical Service: Surge suppressor and 75 kVa transformer. Required by primary transmitter. See Exhibit 1 Item D.	Information not provided.	
UHF - Air Cooled Solid State Transmitter 7.2 kW	Component Description:	WSBK Primary Transmitter Down Payment. See
	Amount:	Exhibit 8. \$94,743.41

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 TUM-AP- O4-14/56H- 2-T 14	\$252,167.00	\$289,447.00		\$168,767.25	
Tower Rent	\$57,600.00	\$57,600.00	One-time interim tower rental for repack period.	\$43,200.00	N/A
Combiner Installation	\$10,000.00	\$10,000.00	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. See Exhibit 15.	\$5,250.00	N/A
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$6,660.00	Two (2) Elbow complex for the input of the new Broadband antenna. See Exhibit 14.	\$5,400.00	N/A
New combiner, cost per	\$84,200.00	\$135,400.00	Dual chains of mask filter /combiner modules per Dielectric	\$50,250.00	N/A

channel (without antenna)			layout. Includes input power dividers and output switching to allow transmitter alignment /testing not otherwise available. Eliminates need for mask filter. See Exhibit 15.		
Sweep test of existing antenna	\$6,730.00	\$3,000.00	RF system testing for two (2) lines and one (1) antenna. See Exhibit 3.	\$2,250.00	N/A
UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	\$76,787.00	\$76,787.00	New Antenna and assembly mast. Stack will be placed directly onto existing center tower section and require a short pedestal of height. See Exhibit 15.	\$62,417.25	N/A
Primary Antenna TUM-AP- O4-14/56H- 2-T	\$1,211,130.00	\$244,000.00		\$0.00	
Combiner Installation	\$11,250.00	\$11,250.00	Installation of dual chain combiner. See Exhibit 14.	N/A	N/A
Elbow	\$18,950.00	\$10,000.00	Elbow	N/A	N/A

complex, broadband, at antenna input, per 8 3/16. feedline (if needed)			complex for top mount antenna being used for repacked stations aux antenna. See Exhibit 14.		
New combiner, cost per channel (without antenna)	\$84,200.00	\$91,500.00	Constant impedance waveguide modules, and /or dual chains of 4 directional filter modules per Dielectric layout. Eliminates need for transmitter mask filter. See Exhibit 14.	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$5,000.00	RF System Testing. See Exhibit 2.	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized	\$1,090,000.00	\$126,250.00	TUM-AP-O4- 14/56H-2-T Top Mount 14 bay Broadband antenna, with 56 elements total, required to accommodate the new repack frequencies. This antenna will be a four- sided	N/A	N/A
			assembly mast. See Exhibit 14.		

Total for \$4,523,154.57 \$1,611,924.57 N/A \$714,757.95 N/A **all**

systems

Components

Actual Information Description	File Name	
Tower Rent	Component Description: Amount:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Tower Rent, Exhibit 3, 1-B-1. \$14,400.00
	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Tower Rent, Exhibit 3, 1-B-1. \$28,800.00
Combiner Installation	Component Description: Amount:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Combiner Installation, Exhibit 3, 3-C-2. \$1,750.00

Component Description:

Invoice is 50%

Down Payment for
\$230,591.50 ATC

total estimated

cost. (See Exhibit

3). This amount is

3). This amount is 50% of Interim Combiner Installation,

Exhibit 3, 3-C-2.

Amount: \$3,500.00

Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Elbow Complex, Exhibit 3, 3-C-2.

Amount: \$1,800.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Elbow Complex, Exhibit 3, 3-C-2.

Amount: \$3,600.00

New combiner, cost per channel (without antenna)

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Combiner, Exhibit

3, 3-C-1.

Amount: \$16,750.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Combiner, Exhibit

3, 3-C-1.

Amount: \$33,500.00

Sweep test of existing antenna

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Antenna and Line Sweep Test, Exhibit 3, 3-C-2.

Amount: \$750.00

Component Description: Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Antenna and Line Sweep Test, Exhibit 3, 3-C-2. \$1,500.00 Amount: UHF - High Power Top Mount Five Station **Component Description:** Invoice is 25% broadband panel antenna Down Payment for elliptically or circularly \$115,297.75 ATC polarized total estimated cost. (See Exhibit 3). This amount is 25% of Interim Antenna, Exhibit 3, 3-B. **Amount:** \$20,805.75 **Component Description:** Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Antenna, Exhibit 3, 3-B. Amount: \$41,611.50 Combiner Installation Information not provided. Elbow complex, broadband, Information not provided. at antenna input, per 8 3/16. feedline (if needed) New combiner, cost per Information not provided. channel (without antenna)

Information not provided.

Sweep test of existing

antenna

UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized Information not provided.

Cost Information

Transmission Line

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

Description Interim	Predetermined Cost Estimate \$997,500.00	Estimated Cost \$84,900.00	Estimated Cost Justification	Actual Cost \$48,281.25	Actual Cost Justification
Transmission Line					
Rigid Transmission Line - copper, 8 3 /16" broadband	\$997,500.00	\$84,900.00	Material cost for two (2) 8 3 /16" Broadband rigid transmission lines, six (6) elbows (3 each line) and a nitrogen generator for pressurization control on the dual lines. Cost shared with other stations. See Exhibit 15.	\$48,281.25	N/A
Primary Transmission Line	\$3,000.00	\$3,000.00		\$0.00	
Nitrogen Generator	\$3,000.00	\$3,000.00	Nitrogen Generator Upgrade. See Exhibit 14.	N/A	N/A
Sub-total	\$1,000,500.00	\$87,900.00	N/A	\$48,281.25	N/A
Total for all systems	\$4,523,154.57	\$1,611,924.57	N/A	\$714,757.95	N/A

Components

Actual Information

Description	File Name	
Description	File Name	
Rigid Transmission Line -		
copper, 8 3/16" broadband	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Transmission Line, Exhibit 3, 3-A. This is the comparable 7-inch, not upgraded 8-inch line cost. Includes nitrogen generator. \$32,187.50
	Component Description: Amount:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Transmission Line, Exhibit 3, 3-A. This is the comparable 7-inch, not upgraded 8-inch line cost. Includes nitrogen generator. \$16,093.75
Nitrogen Generator	Information not provided.	

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
Primary Tower GTOWER	\$606,250.00	\$122,660.00		\$0.00	
Construction Management	\$5,250.00	\$5,250.00	(44) hours on Modification project management and RF installation project management. See Exhibit 14.	\$0.00	N/A
Tower Permit Packages	\$9,400.00	\$9,400.00	Generation of tower, building, and ground drawing packages required for local permits. See Exhibit 2.	\$0.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$74,250.00	Tower has stacked antennas and is thus a complex structure. (Disregard other parts of form would accept that answer.) Cost includes antenna installation, transmission lines and transmission	\$0.00	N/A

line brackets. See Exhibit 14.

Minor tower reinforcement /modifications	\$158,000.00	\$25,000.00	Additional loads imposed on the tower by the new appurtenances required for the repack project will cause the tower to fail. The structural failure is expected to be in the minor category. See Exhibit 2.	\$0.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$8,760.00	Structural mapping, analysis, and engineering needed to accommodate the repacked equipment. See Exhibit 14.	\$0.00	N/A
Auxiliary Tower GTOWER	\$604,000.00	\$90,180.00		\$62,126.25	
Construction Management	\$3,000.00	\$3,000.00	9 hours on Modification project management and 15 hours for RF installation project management for a total of 20 days. See Exhibit 3.	\$2,250.00	N/A
Complex Tower (includes, for example, those with	\$421,000.00	\$55,900.00	This candelabra is classified as complex structure. The	\$42,000.00	N/A

candelabras and/or stacked antennas)			cost includes the installation of the new antenna, two transmission lines and all the required tower brackets. See Exhibit 15.		
Minor tower reinforcement /modifications	\$158,000.00	\$17,500.00	It is expected that the additional loads imposed on the tower by the new appurtenances required for the repack project will cause the tower to fail. The structural failure is expected to be in the minor category. See Exhibit 15.	\$7,500.00	N/A
Tower Permit Packages	\$9,400.00	\$9,400.00	Prepare tower, building, and ground drawings for local permits and approvals. Required to support required modifications needed for repack. See Exhibit 3.	\$7,050.00	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$4,380.00	Structural tower mapping to ensure the proper structural information is relayed to	\$3,326.25	N/A

engineering for proposed repack equipment. Rigorous Structural analysis to access the structural capacity and modifications needed. See Exhibit 15.

Sub-total	\$1,210,250.00	\$212,840.00	N/A	\$62,126.25	N/A
Total for all systems	\$4,523,154.57	\$1,611,924.57	N/A	\$714,757.95	N/A

Components

Actual Information Description	File Name
Construction Management	Information not provided.
Tower Permit Packages	Information not provided.
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.
Minor tower reinforcement /modifications	Information not provided.
Structural engineering tower load study for well documented tower	Information not provided.
Construction Management	

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Tower Construction

Project

Management, Exhibit 3, 3-D-1.

Amount: \$1,500.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Tower Construction

Project

Management, Exhibit 3, 3-D-1.

Amount: \$750.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Rigging, Exhibit 3, 3-C-1.

Amount: \$14,000.00

Component Description:

Invoice is 50%

Down Payment for
\$230,591.50 ATC

total estimated

cost. (See Exhibit

3). This amount is

50% of Rigging,

Amount: \$28,000.00

Minor tower reinforcement /modifications

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Tower Reinforcement, Exhibit 3, 3-A-2.

Exhibit 3, 3-C-1.

Amount: \$5,000.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Tower Reinforcement, Exhibit 3, 3-A-2.

Amount: \$2,500.00

Tower Permit Packages

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Tower and Building Permits, Exhibit 3, 3-D-1 (\$4,700 plus \$4,700).

Amount: \$2,350.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Tower and Building Permits, Exhibit 3, 3-D-1 (\$4,700 plus \$4,700).

Amount: \$4,700.00

Structural engineering tower load study for well documented tower

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Tower Mapping (Exhibit 3, 3-A-1) and

Structural
Engineering
(Exhibit 3, 3-A-1).

Amount: \$1,108.75

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Tower

Mapping (Exhibit 3,

3-A-1) and Structural Engineering

(Exhibit 3, 3-A-1).

Amount: \$2,217.50

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 Cost Justification
Outside Professional Services	\$70,485.00	\$91,460.00		\$17,385.00	
Site Coordination Meeting	\$2,000.00	\$2,000.00	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. (See Exhibit 14.)	N/A	N/A
RF System Test	\$8,000.00	\$8,000.00	Testing of the combiner to ensure all frequencies are tuned for optimal patterns. (See Exhibits 2 and 3.)	\$1,875.00	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

Prepare request for Special Temporary Authorization	\$2,050.00	\$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
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,000.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$10,500.00	Perform engineering study for new channel assignment and antenna development. (See Exhibits 2 and 3.)	\$4,525.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$4,500.00	Coordination and transition planning with all parties onsite. (See Exhibits 2 and 3)	\$1,875.00	N/A
Project management of the transition	\$39,500.00	\$56,460.00	Company lacks sufficient resources. Also includes American Tower project management.	\$7,110.00	N/A

Sub-total	\$70,485.00	\$91,460.00	N/A	\$17,385.00	N/A
Total for all systems	\$4,523,154.57	\$1,611,924.57	N/A	\$714,757.95	N/A

Components

Actual Information Description	File Name	
Site Coordination Meeting	Information not provided.	
RF System Test	Component Description:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of RF System Test, Exhibit 3, 1- B-1.
	Amount:	\$1,250.00
	Component Description:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of RF System Test, Exhibit 3, 1-B-1.
	Amount:	\$625.00
Attorney Fees - Negotiation of lease and other matters for shared locations	Information not provided.	
Prepare request for Special Temporary Authorization	Information not provided.	
Prepare engineering section of FCC Form 2100 (main),	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: Find "work around"

to Canadian coordination. See Exhibit 13 for a revised invoice showing dates

worked.

Amount: \$550.00

Component Description: Final interference

study and CP
Application Engineering
Section.

Amount: \$1,450.00

Perform engineering study for new channel assignment and antenna development

Component Description: Preliminary

Interference study of initial channel assignment.

Amount: \$775.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Antenna Development Engineering, Exhibit 3, 1-A-2.

Amount: \$1,250.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Antenna Development Engineering, Exhibit 3, 1-A-2.

Amount: \$2,500.00

Address transition timing and coordination issues w/ other stations and wireless

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Address Transition Timing, Exhibit 3, 1-A-1.

Amount: \$625.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Address Transition Timing, Exhibit 3, 1-A-1.

Amount: \$1,250.00

Project management of the transition

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Interim Site

Project

Management, Exhibit 3, 1-A-1.

Amount: \$2,370.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Interim Site

Project

Management, Exhibit 3, 1-A-1.

Amount: \$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	\$65,045.00	\$58,740.00		\$11,512.50	
Deinstall Old Transmitter	\$16,100.00	\$16,100.00	Deinstall and remove old WSBK transmitter. See Exhibit 1 Item F.	N/A	N/A
Site Security	\$3,600.00	\$3,600.00	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. (See Exhibit 3.)	\$2,700.00	N/A
Site Coordination Meeting	\$1,760.00	\$1,760.00	Site coordination meetings with tower owner, all broadcasters, contractors and vendors involved with the site deliveries and construction.	N/A	N/A

			This cost is for travel and logistics expenses accrued. See Exhibit 2.		
Public Hearing	\$440.00	\$440.00	Public hearing cost (See Exhibit 3.)	\$300.00	N/A
Ice Shield for HVAC	\$4,000.00	\$4,000.00	Ice protection for HVAC compressor split units placed in close proximity of tower in areas prone to ice and snow. See Exhibit 3.	\$3,000.00	N/A
Building Partition	\$1,800.00	\$1,800.00	This cost is to provide permitting for building partition and electrical service installation in the shared space. This install is to provide security for broadcasters and sufficient power for transmitters. See Exhibit 3.	\$1,350.00	N/A
Asbestos and Lead Paint Testing	\$1,800.00	\$1,800.00	Asbestos testing, removal and abatement for walls which could contain	\$1,350.00	N/A

			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. (See Exhibit 3.)		
MVPD Notification of Channel Change	\$1,000.00	\$1,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$21,300.00	\$21,300.00	This cost is for the material /equipment, delivery and offloading by transmitter manufacturer, and third party contractors. (See Exhibits 1, 2, 3, and 7.)	\$2,250.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$5,250.00	See Exhibit 5	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Non-zoning permits	\$1,500.00	\$1,500.00	The cost of preparation and submission of the needed forms for	\$562.50	N/A

			permits required for electrical, building permits. (See Exhibits 2 and 3.)		
Sub-total	\$65,045.00	\$58,740.00	N/A	\$11,512.50	N/A
Total for all systems	\$4,523,154.57	\$1,611,924.57	N/A	\$714,757.95	N/A

Components

Actual Information Description	File Name	
Deinstall Old Transmitter	Information not provided.	
Site Security		
	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Site Security, Exhibit 3, 1-B-1. \$1,800.00
	Component Description: Amount:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Site Security, Exhibit 3, 1-B-1. \$900.00
Site Coordination Meeting	Information not provided.	
Public Hearing		

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Public Hearing, Exhibit 3,

1-B-1.

Amount: \$100.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Public Hearing, Exhibit 3,

1-B-1.

Amount: \$200.00

Ice Shield for HVAC

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of HVAC Ice Shield, Exhibit 3,

3-C-6.

Amount: \$1,000.00

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of HVAC Ice Shield, Exhibit 3,

3-C-6.

Amount: \$2,000.00

Building Partition		
Building Faithfull	Component Description:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Building Addition, Exhibit 3, 3-C-3.
	Amount:	\$450.00
	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Building Addition, Exhibit 3, 3-C-3. \$900.00
Asbestos and Lead Paint Testing	Component Description:	Invoice is 25% Down Payment for
		\$115 207 75 ATC

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Asbestos and Lead Paint Testing, Exhibit 3,

1-B-1.

Amount: \$450.00

	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Asbestos and Lead Paint Testing, Exhibit 3, 1-B-1. \$900.00
MVPD Notification of Channel Change	Information not provided.	
Equipment Delivery and Handling Charges	Component Description: Amount:	Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Tower Equipment and Delivery Costs, Exhibit 3, 1-A-4. \$750.00
	Component Description: Amount:	Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Tower Equipment and Delivery Costs, Exhibit 3, 1-A-4. \$1,500.00
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	

Non-zoning permits

Component Description: Invoice is 50%

Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 3). This amount is 50% of Building Permits, Exhibit 3,

1-A-3.

Amount: \$375.00

Component Description: Invoice is 25%

Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 3). This amount is 25% of Building Permits, Exhibit 3,

1-A-3.

Amount: \$187.50

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$4,523,154.57	\$1,611,924.57	\$714,757.95

Reimbursem	entestatus	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	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

Section Question Response

Submission of Estimated Expenses Statements

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.

- 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.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 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.
- 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.
- 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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Andrew J Siegel Assistant Secretary

04/05/2019

Section Question Response

Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (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).

- 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.
- 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 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.
- 8. The above-named entity acknowledges that overpayments or payments in error

must be promptly refunded to the Commission.

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.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Andrew J Siegel Assistant Secretary

04/05/2019

Attachments