



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **42359** | Service: **DTV** | Call **KTXD-TV** | Channel: **23 (UHF)** |  
ID:  
File **0000028579** | Sign:  
Number:  
FRN: **0027171693** | Date **09/19**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>KTXD LICENSE COMPANY, LLC</b> Doing Business As: KTXD LICENSE COMPANY, LLC	Jonathan Dietz 15455 DALLAS PARKWAY SUITE 100 ADDISON, TX 75001 United States	+1 (214) 628- 9900	jdietz@lbc- texas.com	Limited Liability 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>David Sanderford</b> <i>Marsand, Inc.</i>	David Sanderford 1957 Reynolds Dr Azle, TX 76020 United States	+1 (817) 783-5566	david@marsand.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	Please see attached Transition Plan Narrative.

**Transmitters**

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

**Auxiliary  
Transmitter****Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Retune Existing
	Use	Auxiliary (Backup)
	Ownership	Owned
	Owner	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	Harris
	Model	ULX-4700AT
	Year	2009

	Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	5 kW

## Auxiliary Transmitter Retuning Transmitter Costs

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	7 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

## Auxiliary 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	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Type	N/A
	Size	N/A

	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>Use as Interim</b>	Move and install existing auxiliary transmitter to interim site then move it back and reinstall.

**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	CDP3100P1
	Year	2005
	Type	Inductive Output Tube
	IOT Power Type	Single
	Power Capacity	21 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	THU9-12EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Existing transmitter is not supported for retuning. Station plans to file for maximization as stated in the filed application for minor modification to better match existing service area.

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes

	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Electrical installation for new transmitter.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	25 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?	Yes
	Size	550.0 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>Ice Shield</b>	Ice Protection over the mechanical slab and the equipment for new HVAC units, heat exchangers and repack broadcasters equipment to be installed.

<b>Move generator</b>	Move existing 300kW generator from the current site to the final site and install. Requires new pad, standalone ice shield and underground electrical.
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**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

Section	Question	Response
<b>Existing Antenna Description</b>	Type of change	Lease New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Owner	American Tower Corporation
	Site	N/A
	Is the existing antenna shared with another station or stations?	Yes
	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
<b>Existing Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Broadband Panel
	Number of Stations Supported	4
	Number of Panels	36
	Design power capacity in use	92.5 %
	Lower Limit	605.00 MHz
	Upper Limit	665.00 MHz
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	600.0 kW

	Manufacturer	
	Model	PHP36C
	Year	2003

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

Facility ID	Call Sign
22201	KDAF
49326	KDTN
67910	KDTX-TV

**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?	Yes
	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?	Yes
<b>New Antenna Manufacturer and Types</b>	Class	Full Power
	Mounting	Top Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Type	Broadband Panel
	Number of Stations Supported	5
	Number of Panels/Bays	48
	Lower Limit	482.00 MHz
	Upper Limit	608.00 MHz
	Design power capacity in use	65.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	377.0 kW
	Manufacturer	

Model	TUM-AP-C4-14/48H-2-B
Year	2017
Justification for New Antenna	Please see attached American Tower Corporation Transition Plan

## 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?	Broadband
	Feed Line Size	7 3/16 inches 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
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Enter a list of RF channel numbers.

RF Channel Number
21
18
19
23
29

Primary  
Antenna

Other Antenna Cost Not Listed

Name	Description
Combiner Installation	Installation of the combiner; Dual chain combiner system, Single chain of 2 constant impedance waveguide modules, and/or single chain of 2 directional filter modules per Dielectric layout plus a third low power filter for the wideband port.

**Transmission Line**

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

**Primary 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	Leased
	Owner	ATC
	Site	N/A
	Is the existing transmission line shared with another station or stations?	Yes
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1507 feet per run

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

Facility ID	Call Sign
67910	KDTX-TV
22201	KDAF
49326	KDTN





**Primary** **New Transmission Line**  
**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?	Yes
	Type	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	2
	Length	1650 feet per run
	Justification for New Transmission Line	Please see attached American Tower Corporation Transition Plan

**Primary** **Other Transmission Line Expenses Not Listed**  
**Transmission Line**

Name	Description
<b>Transmission Line Bridge</b>	New Ice Bridge required to support new transmission lines from all four repack tenants space to tower, estimated to be 200 linear ft. This cost includes the materials, foundations and 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**

**Add 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	Yes
	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	1055009
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 35' 22.0" N-
	Longitude (NAD83)	096° 58' 12.9" W-
	Overall Structure Height	1550.83 feet
	Support Structure Height	1453.07 feet
	Ground Elevation Above Mean Sea Level (AMSL)	829.71 feet

Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
Tower Owner	American Tower, LLC
Date Constructed	11/04/2008

**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
47739	KDMX	FM
18114	KEGL	FM
59702	KKDA-FM	FM
35841	KUVN-DT	DTV
41380	KLNO	FM
23084	KHKS	FM
26950	KATA-CD	DTV
11451	WRR	FM
6378	KZPS	FM
14524	KCBI	FM
9620	KDGE	FM

**Other Types of Users**

Users
KNAV-LP
KJJM-LD

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KHPK-LD

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K31GL-D

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KVFW-LD

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**Primary  
Tower**

**Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for tower with candelabra
Tower Reinforcements	Please select whether tower reinforcements are needed:	Serious 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
Construction Project management Tower Modifications Reinforcements and Facilities	60 hours on Modification project management and RF installation project management.
Ground and Building A and E Permit Drawing Package	The generation of a construction drawing package for one broadcaster.
Tower Permit Drawing Package	The generation of a construction drawing package for one broadcaster.

## Primary Tower

### Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	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 Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1059733
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	32° 32' 36.0" N-
	Longitude (NAD83)	096° 57' 33.0" W-
	Overall Structure Height	1635.15 feet
	Support Structure Height	1523.60 feet
	Ground Elevation Above Mean Sea Level (AMSL)	813.97 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	American Towers, LLC

Date Constructed

06/18/2000

**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
41380	KLNO	FM
28624	KVIL	FM
67195	KLUV	FM
42359	KTXD-TV	DTV
49323	KERA	FM
63779	KJKK	FM
23440	KMVK	FM
17037	KDFI	DTV
1087	KRLD-FM	FM
68834	KPXD-TV	DTV
22201	KDAF	DTV
23422	KTVT	DTV
9627	KBFB	FM
67910	KDTX-TV	DTV
49324	KERA-TV	DTV
60534	KSTR-DT	DTV
55768	KKXT	FM
49326	KDTN	DTV
51517	KTXA	DTV

**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**

Information not provided.



**Outside  
Professional Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	Do you require outside project management services?	Yes
	Number of Hours	450
	Explanation	The station will contract for Project Management services to handle the complete project. It does not have personnel available for any of these tasks, nor is the staff trained to provide any of these services.
<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	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	2
	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	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	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

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
RF System Test	Testing of the combiner to ensure all one (1) frequencies are tuned for optimal patterns.
Migratory Bird Assessment Permitting	Migratory Bird Assessment Permitting
Site Coordination Meeting	Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction.

## 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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	No
<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?	No
	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
Tree Clearing	This cost is for the removal of trees and vegetation to ensure the proper clearance of taglines and laydown areas, required for construction.
Construction and Electrical Permits	2% construction cost, excluding the material and equipment for electrical and building permits.
Site Security	Site security for installation and storage of Transmission line and materials for 57 days X 12 hours. The materials are a high risk of theft due to the material makeup such as copper, brass and aluminum.

## 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
<b>Primary Transmitter THU9-12EVO</b>	<b>\$1,078,360.00</b>	<b>\$1,035,460.00</b>		<b>\$0.00</b>	
Move generator	<i>\$64,860.00</i>	\$64,860.00	See attached Generator Move Quotation.	N/A	N/A
Other -- Building Addition Size: 550.0	<i>\$83,600.00</i>	\$83,600.00	The building upgrade is required to accommodate the repack equipment. The current building configuration will need to be altered. See attached American Tower Corporation quote.	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$650,000.00	N/A	N/A	N/A
Other Electrical Service: Electrical installation for new transmitter.	<b>\$25,000.00</b>	\$25,000.00	Electrical distribution to the new transmitter. Parts and installation.	N/A	N/A
Ice Shield	<b>\$40,000.00</b>	\$40,000.00	Please see attached ATC Transition Plan	N/A	N/A
25 Ton system	\$91,500.00	\$87,000.00	Please see attached ATC Transition Plan	N/A	N/A
<b>Auxiliary Transmitter ULX-4700AT</b>	<b>\$148,410.00</b>	<b>\$142,900.00</b>		<b>\$0.00</b>	
Use as Interim	<b>\$37,000.00</b>	\$37,000.00	See attached quote for Auxiliary Transmitter - use as interim	N/A	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$100,000.00	Catalog	N/A	N/A
7 kW mask filter	\$6,210.00	\$5,900.00	Catalog	N/A	N/A
<b>Sub-total</b>	<b>\$1,226,770.00</b>	<b>\$1,178,360.00</b>	N/A	<b>\$0.00</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$4,846,057.00</b>	<b>\$2,137,127.00</b>	N/A	<b>\$0.00</b>	<b>N/A</b>

## Components

Information not provided.

## 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
<b>Primary Antenna TUM-AP-C4-14/48H-2-B</b>	<b>\$248,697.00</b>	<b>\$211,167.00</b>		<b>\$0.00</b>	
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$6,500.00	See attached American Tower Corporation quote.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$60,000.00	See attached American Tower Corporation quote	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$3,750.00	See attached American Tower Corporation quote.	N/A	N/A



UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized	<b>\$134,667.00</b>	\$134,667.00	This is the portion of the cost of the antenna assigned to KTXD. This antenna will be shared (in the final facility) between KDTN, KDTX and KTXD. See attached American Tower Corporation quote.	N/A	N/A
Combiner Installation	<b>\$6,250.00</b>	\$6,250.00	See attached American Tower Corporation quote.	N/A	N/A
<b>Sub-total</b>	\$248,697.00	\$211,167.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,846,057.00	\$2,137,127.00	N/A	\$0.00	N/A

## Components

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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$1,121,400.00	\$224,955.00		\$0.00	
Rigid Transmission Line - copper, 7 3/16" broadband	\$1,098,900.00	\$202,455.00	See attached American Tower Corporation quote.	N/A	N/A
Transmission Line Bridge	<i>\$22,500.00</i>	\$22,500.00	See attached American Tower Corporation quote.	N/A	N/A
Sub-total	\$1,121,400.00	\$224,955.00	N/A	\$0.00	N/A
Total for all systems	\$4,846,057.00	\$2,137,127.00	N/A	\$0.00	N/A

Components

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
<b>Primary Tower GTOWER</b>	<b>\$421,000.00</b>	<b>\$0.00</b>		<b>\$0.00</b>	
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$0.00	This appears as a duplicate entry.	N/A	N/A
<b>Primary Tower GTOWER</b>	<b>\$1,509,900.00</b>	<b>\$239,615.00</b>		<b>\$0.00</b>	
Structural engineering tower load study for a documented tower with candelabra	\$20,000.00	\$8,870.00	See attached American Tower Corporation quote. (\$4,960 - mapping / \$3,910 - study)	N/A	N/A
Complex Tower (includes, for example, those with candelabras and /or stacked antennas)	\$421,000.00	\$63,845.00	See attached American Tower Corporation quote.	N/A	N/A
Tower Permit Drawing Package	<i>\$4,700.00</i>	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A

Ground and Building A and E Permit Drawing Package	<b>\$4,700.00</b>	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A
Construction Project management Tower Modifications Reinforcements and Facilities	<b>\$7,500.00</b>	\$7,500.00	See attached American Tower Corporation quote.	N/A	N/A
Serious tower reinforcement /modifications	\$1,052,000.00	\$150,000.00	See attached American Tower Corporation quote.	N/A	N/A
<b>Sub-total</b>	\$1,930,900.00	\$239,615.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,846,057.00	\$2,137,127.00	N/A	\$0.00	N/A

## Components

Information not provided.

## 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
<b>Outside Professional Services</b>	<b>\$244,890.00</b>	<b>\$210,180.00</b>		<b>\$0.00</b>	
Site Coordination Meeting	<i>\$2,500.00</i>	\$2,500.00	See attached American Tower Corporation quote.	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	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	\$10,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	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
Prepare request for Special Temporary Authorization	\$4,100.00	\$3,000.00	N/A	N/A	N/A
Project management of the transition	\$71,100.00	\$67,500.00	N/A	N/A	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	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

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	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
RF Exposure Measurements	\$21,050.00	\$3,000.00	See attached American Tower Corporation quote.	N/A	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$1,080.00	See attached American Tower Corporation quote.	N/A	N/A
Migratory Bird Assessment Permitting	<b>\$350.00</b>	\$350.00	See attached American Tower Corporation quote.	N/A	N/A
RF System Test	<b>\$4,000.00</b>	\$4,000.00	See attached American Tower Corporation quote.	N/A	N/A
<b>Sub-total</b>	<b>\$244,890.00</b>	<b>\$210,180.00</b>	<b>N/A</b>	<b>\$0.00</b>	<b>N/A</b>

<b>Total for all systems</b>	\$4,846,057.00	\$2,137,127.00	N/A	\$0.00	N/A
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### Components

Information not provided.



## 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
<b>Other Expenses</b>	<b>\$73,400.00</b>	<b>\$72,850.00</b>		<b>\$0.00</b>	
Site Security	<i>\$8,550.00</i>	\$8,550.00	See attached American Tower Corporation quote.	N/A	N/A
Construction and Electrical Permits	<i>\$10,000.00</i>	\$10,000.00	See attached American Tower Corporation quote.	N/A	N/A
Tree Clearing	<i>\$1,600.00</i>	\$1,600.00	See attached American Tower Corporation quote.	N/A	N/A
Develop and air announcement of upcoming channel change	<i>\$500.00</i>	\$500.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	<i>\$5,000.00</i>	\$5,000.00	See attached American Tower Corporation quote.	N/A	N/A

Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$16,500.00</b>	\$16,500.00	Pre-auction channel transmitter and interior RF system dismantling, removal and disposal including coolant and oil reclamation.	N/A	N/A
Non-zoning permits	<b>\$10,000.00</b>	\$10,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
Local Zoning	<b>\$4,700.00</b>	\$4,700.00	See attached American Tower Corporation quote.	N/A	N/A
MVPD Notification of Channel Change	<b>\$5,000.00</b>	\$5,000.00	N/A	N/A	N/A
<b>Sub-total</b>	\$73,400.00	\$72,850.00	N/A	\$0.00	N/A
<b>Total for all systems</b>	\$4,846,057.00	\$2,137,127.00	N/A	\$0.00	N/A

## Components

Information not provided.

<b>Cost Information</b>	<b>Grand Total</b>		
		<b>Predetermined Cost Estimate</b>	<b>Estimated Cost</b>
			<b>Actual Cost</b>
	<b>Total for all systems</b>	\$4,846,057.00	\$2,137,127.00
			\$0.00

<b>Reimbursement Status</b>	<b>Question</b>	<b>Response</b>
	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

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>David Sanderford</b>  <i>Technical Consultant</i></p> <p>09/19/2017</p>

## Attachments