

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 54420 Service: DTV Call KMYT-TV Channel: 34 (UHF)

Sign:

File **0000027940** 

Number:

ID:

FRN: **0032111452** Date **03/08** 

Submitted: /2019

# Applicant Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
COX TELEVISION TULSA, LLC Doing Business As: COX TELEVISION TULSA, LLC	Chief Engineer 2625 SOUTH MEMORIAL DRIVE TULSA, OK 74129 United States	+1 (918) 491- 0023	darin. hall@coxinc. 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
Darin Hall Chief Engineer Cox Television Tulsa, LLC	Chief Engineer 2625 South Memorial Drive Tulsa, OK 74129 United States	+1 (918) 491- 0023	darin.hall@coxinc. 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	KMYT will construct interim facilities on nearby tower. KMYT will move to the interim tower on its current channel. KMYT's new equipment will be installed after serious tower modifications at existing site.

#### **Transmitters**

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

# **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	Sigma CD3200
	Year	2002
	Туре	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	42 kW

#### **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-80
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	50 kW
	Justification for New Transmitter	Current IOT Transmitter cannot be retuned per manufacturer and solid state transmitter is less than a comparable IOT transmitter. 08/18/2018 Transmitter size was increased See attachment: TP Required to Compensate Ant AGL Reduction rev2.pdf

# **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Required new 208vac Transformer, Switch and Panel with Breakers
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	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**

Name	Description
Transmitter Disposal	Removal and environmental disposal of existing transmitter coolant and High Voltage Beam Supply oil.
Indoor RF Equipment	New mask filter, reject loads, main load and switch control equipment
Spare Parts Kit	Current Spare parts kit is not compatible with new transmitter.

#### Interim Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	ULXTE-72
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	47.2 kW
	Justification for New Transmitter	Interim transmitter needed for continued viewer service during the repack process.

#### Interim 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	150 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	250.0 feet
	Other Electrical Service	Yes
		,

	Description	208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	1200.0 square feet
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?	Yes

#### Interim Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
STL Signal Link	STL/TSL microwave equipment, dish, line and rigging installation costs
Transmitter Control	Required Transmitter control, Rack, UPS and remote monitoring system

#### **Antennas**

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

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase 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?	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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)	900.0 kW

Manufacturer	
Model	ATW30H5- HSOL-41H
Year	2002

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	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)	770.0 kW
	Manufacturer	

Model	TFU- 29JSC-R-04
Year	2018
Justification for New Antenna	Current antenna cannot be retuned on new Repacked channel.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	7 3/16 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

Sweep Test	Do you require the sweep testing of	Yes
	transmission line and antenna?	

**Other Antenna Cost Not Listed** 

Information not provided.

#### Interim Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Panel
	Number of Stations Supported	1
	Number of Panels/Bays	3
	Lower Limit	521.00 MHz
	Upper Limit	641.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW
	Manufacturer	
	Model	TFU-24WB-
	Year	2018

Justification for New Antenna	Broadband
	panel
	antenna
	required to
	approximate
	the current
	viewer
	coverage
	without
	exceeding
	licensed
	contour.

#### 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	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### Interim Antenna

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

Name	Description
Interim Tower Rigging	Rigging and installation costs for Interim Antenna and Line.

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

# Primary Transmission

#### **Add Transmission Line**

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1285 feet per run

## Primary Transmission

#### **New Transmission Line**

on Line Section	Question	Response
New Transmission Line Costs	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Туре	Rigid
	Diameter	7 3/16 inches
	Other Diameter	N/A
	Segment Length	19 1/2 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1285 feet per run
	Justification for New Transmission Line	Current line will not technically operate within specs at channel 34 per manufacturer.

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

#### Interim

#### **New Transmission Line**

Transmissio	n Line Section	Question	Response
New Transmission Line	Use	Interim	
	Costs	Description of Use	N/A
	Change Type	Purchase New	
		Туре	Rigid
		Diameter	6 1/8 inches
		Segment Length	19 ½ '
		Other Segment Length	
		Number of parallel runs	1
		Length	1720 feet per run
	Justification for New Transmission Line	Rigid Coaxial Transmission line for Interim Antenna located at the Interim site.	

Interim Other Transmission Line Expenses Not Listed

Transmission loine 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

## 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?	No
	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?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1048931
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	36° 01' 36.0" N-
	Longitude (NAD83)	095° 40' 45.0" W-
	Overall Structure Height	1268.03 fe
	Support Structure Height	1200.12 fe
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 fee

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	IWG Towers Assets II, LLC
Date Constructed	03/28/2003

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
11910	KOKI-TV	DTV

# Other Types of Users

Users

Action Radio Co

#### 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:	Serious Reinforcements needed

# Primary Tower

# **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	N/A
Helicopter Services Required	Are helicopter services required?	No

# Primary Tower

# Other Tower Expenses Not Listed

Name	Description
Additional Tower Engineering	Additional tower studies and modifications engineering.

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	160
	Explanation	Manage and coordinate delivery of all equipment at both the Interim Site as well as the Main Site. Confirm all contractors arrival and schedule.
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 Services	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	1
	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	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	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

I Services Costs	Description
Interim Facility Engineering	Service Fees for engineering, mechanical and utilities design and management.

# 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	Yes
	Non-zoning permits	No
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	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)?	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
Interim Tower and Ground Lease	Interim Tower and Ground Lease will be required by Interim Tower Owner for 5 years minimum.
Interim Tower Mapping and Studies	Tower Mapping and Studies will be needed to be performed on Interim Tower and grounds to determine loading.
Interim Tower Modifications	Modifications will needed on Interim Tower to bring to TIA/ANSI Rev. G standard.

# **Cost Information**

#### **Transmitters**

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

Description Interim Transmitter ULXTE-72	Predetermined Cost Estimate \$2,702,173.89	Estimated Cost \$2,252,522.35	Estimated Cost Justification	Actual Cost \$2,108,462.53	Actual Cost Justification
Other Electrical Service: 208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.	\$272,140.02	\$272,140.02	208vac transformer and TVSS from Gates Air. Interim transmitter panel and breakers. Generator and ATS switch for building including installation.	\$251,258.89	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,067,574.29	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.	\$1,067,574.29	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.

STL Signal	\$222,634.64	\$222,634.64	STL/TSL	\$141,702.26	N/A
Link			Signal from		
			Studio. Dish,		
			Line, Radios		
			for both ends.		
			Includes		
			Rigging and		
			path		
			alignment.		
			Frequency		
			path analysis		
			and line		
			sweeps.		
Other	\$458,149.23	\$458,149.23	Building	\$456,360.92	Earlier
Building			constructed at		price
Addition			Interim Site.		provided
Size: 1200.0			No existing		on 399 was
			facility		just an
			available at		estimate
			site. This		and after
			build includes		bid process
			floor, walls,		and full
			roof, and ice		installation
			protection.		the cost
			Outdoor		was
			concrete pads		increased.
			for heat		
			exchangers		
			with ice		
			protection.		
			*Earlier price		
			provided on		
			399 was just		
			an estimate		
Transmitter	\$0.00	\$0.00	N/A	N/A	N/A

Primary Transmitter ULXTE-80	\$1,768,198.69	\$1,692,404.71		\$1,621,007.99	
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$15,562.00	Earlier price provided on 399 was just an estimate and after bid process and full installation the cost was increased.	\$15,562.00	Earlier price provided on 399 was just an estimate and after bid process and full installation the cost was increased.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$29,832.00	N/A
Transformer 3 phase /480v - 150 KVA	\$25,550.00	\$24,300.00	N/A	\$9,875.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$13,000.00	\$12,250.00	N/A	\$6,625.00	N/A
Other HVAC Service Type: C Size: 20 (Other)	\$37,600.00	\$37,600.00	2-10 ton Cooling only HVAC units for interim site.	\$23,660.00	N/A
RF system including switching	\$147,500.00	\$106,012.17	Indoor RF equipment and control including dummy load, switch, mask filter and control equipment.	\$106,012.17	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.

Spare Parts Kit	\$13,931.27	\$13,931.27	Current Parts kit is not compatible with new transmitter. New kit replaces existing parts kit of PA module, power supply, control boards.	\$13,931.27	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.
Indoor RF Equipment	\$144,685.80	\$144,685.80	Inside RF System including Mask Filter, dummy load system and control from Gates Air.	\$120,342.08	N/A
Transmitter Disposal	\$1,788.00	\$1,788.00	Environmental disposal of existing Sigma coolant and Beam supply oil. 10 Drums/550 gallons.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$1,401,306.02	Main transmitter required for operation, Gates Air quote minus the spare parts kit, Indoor RF, and Electrical. Cost increased after the estimate was provided and tower antenna /line was finalized.	\$1,401,306.02	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.

Total for all	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A
Sub-total	\$4,470,372.58	\$3,944,927.06	N/A	\$3,729,470.52	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$8,100.00	N/A
			low and after final quotes the cost had increased.		
			estimate was		
			associated wiring. Early		increased
			including		was
			and breakers		the cost
Breakers			panel board		installation
Panel with			and 208VAC		full
Switch and			installation		and after
new 208vac Transformer,			Air,		just an estimate
Required			Suppressor from Gates		on 399 wa
Service:			and Surge		provided
Electrical			Transformer		price
Other	\$52,493.62	\$52,493.62	208VAC	\$52,493.62	Earlier
Wiring (Cost per foot)					
3" Rigid Conduit and	\$5,200.00	\$4,900.00	N/A	\$4,900.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$19,935.00	N/A

#### Components

Actual Information Description	File Name
Other Electrical Service: 208vAC Transformer, Switch and Panel with	
Breakers for Pumps, Loads, Generator, lighting and UPS.	

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Generator /ATS. See Call Sign Allocation 09192018.pdf

**Amount:** \$170,568.00

Component Description: Payment for

Interim Transmitter

Electrical

Installation. See

Call Sign Allocation 09192018.pdf

**Amount:** \$47,498.00

Component Description: Final Payment for

the portion of invoice pertaining to the category of Electrical provided by Gates Air. See

Call Sign Allocation 09192018.pdf \$3.378.27

**Amount:** \$3,378.27

Component Description: Payment for the

invoice pertaining to the Interim Building Generator

/ATS. First

required generator fuel fill to test tank.

**Amount:** \$4,106.08

Component Description: Payment for the

portion of the invoice pertaining to the Interim

Building Generator /ATS. See Call Sign Allocation 09192018.pdf Includes Letter explaining

Retainage
Allocations for
Final Invoice.

**Amount:** \$18,952.00

Component Description: Down Payment for

the portion of invoice pertaining to the category of Electrical provided

by Gates Air.

**Amount:** \$3,378.27

Component Description: Please delete

component.

Amount: N/A

Component Description: Please delete

component.

Amount: N/A

Component Description: Please delete

component.

Amount: N/A

Component Description: 1/3 Pre-Ship

Payment for the portion of invoice pertaining to the category of

Electrical provided by Gates Air. See

Call Sign Allocation 09192018.pdf

**Amount:** \$3,378.27

Component Description: Please delete

component.

Amount: N/A

UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

Component Description: Final Payment for

portion of the invoice pertaining to the category of transmitter, installation and freight, including required Change

Orders for Installation.See Call Sign Allocation 09192018.pdf

**Amount:** \$367,476.82

Component Description: Payment for

pertaining to the category of transmitter and installation.

**Amount:** \$919.28

Component Description: 1/3 Pre-Ship

Payment for portion of the invoice pertaining to the category of transmitter, installation and freight. See Call Sign Allocation 09192018.pdf

**Amount:** \$348,896.55

Component Description: Containers

needed for required H20 for transmitter install. See Call Sign Allocation 09192018.pdf

**Amount:** \$1,385.09

Component Description: 1/3 Down payment

for portion of the invoice pertaining to the category of transmitter, installation and freight. See also

PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$348,896.55

STL Signal Link

Component Description: Payment for the

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf

**Amount:** \$719.68

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 11042018 PO Invoice.pdf.

**Amount:** \$8,761.00

**Component Description:** Payment for the

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation

09192018.pdf See

IMT Vislink

Quote\_PO Interim

STL.pdf.

Equipment was sold as a package

price.

**Amount:** \$98,962.00

Component Description: Payment for the

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf. See IMT Vislink Quote\_PO Interim

STL.pdf.

Equipment was sold as a package

price.

**Amount:** \$23,088.82

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf. See IMT Vislink Quote PO Interim

STL.pdf.

Equipment was sold as a package

price.

**Amount:** \$10,049.60

Component Description: Payment for the

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf

of Interim STL

**Amount:** \$357.38

Component Description: Invoice to category

/TSL. See Call
Sign Allocation
09192018.pdf.
See PO and
Quote included in
attachment with
Invoice.System
does not allow the
use of the "&"
symbol that is part
of the companies
name so I
replaced it with
"and".

**Amount:** \$1,100.00

Component Description: Invoice to category

of Interim STL
/TSL. See Call
Sign Allocation
09192018.pdf.
See PO and
Quote included in
attachment with
Invoice.System
does not allow the
use of the "&"
symbol that is part
of the companies
name so I

replaced it with

"and".

**Amount:** \$1,475.00

Component Description: Payment for STL

/TSL Fiber I/O Connection

adaptor. See Call Sign Allocation 09192018.pdf

**Amount:** \$1,746.27

Component Description: Payment for the

invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf

**Amount:** \$5,492.11

Other -- Building Addition

Size: 1200.0

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf Includes Letter explaining Retainage Allocations for Final Invoice.

**Amount:** \$44,982.18

Component Description: Invoice pertaining

to the portion of geotech in the category of Interim Facility. See also PO Upload and Call Sign

Allocation 01252018.pdf \$2,100.00

Component Description: Payment for the

Amount:

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf

**Amount:** \$7,905.58

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf Includes Change Order #1 and #2 applied to Building

Category.

**Amount:** \$29,584.88

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf

**Amount:** \$156,828.87

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf

**Amount:** \$103,672.33

Component Description: Payment for

Facility
Construction
Inspections. See

Call Sign Allocation 09192018.pdf

**Amount:** \$1,774.75

Facility
Construction
Inspections. See

Call Sign Allocation 09192018.pdf

**Amount:** \$606.50

Component Description: Payment for

temporary power required for Facility

Construction. See

Call Sign Allocation 09192018.pdf

**Amount:** \$2,057.92

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf

**Amount:** \$106,847.91

Transmitter Control Information not provided.

UHF inside RF system including switching Final Payment for **Component Description:** the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 09192018.pdf **Amount:** \$35,337.39 **Component Description:** 1/3 Pre-Ship Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 09192018.pdf Amount: \$35,337.39

**Component Description:** 1/3 Down

> Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$35,337.39

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

**Component Description:** Payment for the

> portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf

Amount: \$1,064.70 Component Description: Please delete

component.

Amount: N/A

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf

**Amount:** \$9,582.30

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf

**Amount:** \$10,647.00

Component Description: Please delete

component.

Amount: N/A

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf Includes Letter explaining Retainage Allocations for Final Invoice.

**Amount:** \$2,366.00

3" Rigid Conduit and Wiring (Cost per foot)

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building 3"

Conduit. See Call Sign Allocation 09192018.pdf

**Amount:** \$5,962.50

Component Description: Please delete

component.

Amount: N/A

Component Description: Please delete

component.

Amount: N/A

Component Description: Please delete

component.

Amount: N/A

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building 3"

Conduit. See Call Sign Allocation 09192018.pdf Includes Letter explaining Retainage Allocations for Final Invoice.

**Amount:** \$662.50

Component Description: Please delete

component.

Amount: N/A

Transformer 3 phase/480v - 150 KVA

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building

Transformer. See

Call Sign Allocation 09192018.pdf

**Amount:** \$8,887.50

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building

Transformer. See

Call Sign
Allocation
09192018.pdf
Includes Letter
explaining
Retainage
Allocations for
Final Invoice.

**Amount:** \$987.50

Component Description: Please delete

component.

Amount: N/A

Switchgear - industrial 800 amp

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf Includes Letter explaining Retainage Allocations for Final Invoice.

**Amount:** \$2,983.20

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf

**Amount:** \$7,217.93

Component Description: Please delete

component.

Amount: N/A

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf

**Amount:** \$6,211.80

portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf

**Amount:** \$13,419.07

Component Description: Please delete

component.

Amount: N/A

Service entrance 3 phase /800 amp/208 volt

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf Includes Change Order #3 applied

to Service
Entrance
Category.

**Amount:** \$1,675.80

**Component Description:** Payment for the

portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf

**Amount:** \$1,556.20

Component Description: Please delete

component.

Amount: N/A

portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf

**Amount:** \$4,500.00

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf

**Amount:** \$4,747.50

Component Description: Payment for the

portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf

**Amount:** \$3,082.50

Spare Parts Kit

Component Description: Down Payment for

the portion of invoice pertaining to the category of Spare parts

provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf

**Amount:** \$3,482.82

portion of invoice pertaining to the category of Spare parts provided by Gates Air. See also PO Upload and Call Sign Allocation 11042018.pdf

**Amount:** \$4,643.76

Component Description: Down Payment for

the portion of invoice pertaining to the category of

Spare parts

provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf

**Amount:** \$1,114.50

Component Description: Payment for the

portion of invoice pertaining to the category of Spare parts provided by Gates Air. See also PO Upload and Call Sign Allocation 11042018.pdf

**Amount:** \$4,690.19

### Indoor RF Equipment Down Payment for **Component Description:** the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf \$9,367.07 Amount: **Component Description:** Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf Amount: \$29,272.09 **Component Description:** Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf **Amount:** \$41,588.89 **Component Description:** Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf Amount: \$40,114.03 Transmitter Disposal Information not provided. UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW

Component Description: Final Payment for

portion of the invoice pertaining to the category of

transmitter, installation and freight, including required Change

Orders for Installation.

**Amount:** \$103,032.45

Component Description: Down payment for

portion of the invoice pertaining to the category of transmitter and installation and freight. See also PO Upload and Call Sign Allocation

02072018.pdf

**Amount:** \$310,635.77

Component Description: Down payment for

portion of the invoice pertaining to the category of transmitter and installation and freight. See also PO Upload and Call Sign Allocation

02072018.pdf

**Amount:** \$99,403.45

Component Description: Payment for

pertaining to the category of transmitter and installation.

**Amount:** \$564.44

portion of the invoice pertaining to the category of transmitter and installation and freight. See and

Call Sign
Allocation
11042018.pdf

**Amount:** \$453,010.59

Component Description: Payment for

portion of the invoice pertaining to the category of transmitter and installation and freight. See and

Call Sign
Allocation
11042018.pdf

**Amount:** \$434,659.32

Switchgear - industrial 800 amp

Component Description: Payment for the

portion of the invoice pertaining to the Switch Gear. See Call Sign Allocation 11262018.pdf

**Amount:** \$5,980.50

Component Description: Payment for the

portion of the invoice pertaining to the Switch Gear. See Call Sign Allocation 11042018 PO Invoice.pdf.

**Amount:** \$13,954.50

3" Rigid Conduit and Wiring (Cost per foot)

Component Description: Payment for the

portion of the invoice pertaining to the 3" Conduit. See Call Sign Allocation 11042018 PO Invoice.pdf.

**Amount:** \$3,430.00

Component Description: Payment for the

portion of the invoice pertaining to the 3" Conduit. See Call Sign Allocation 11262018.pdf

**Amount:** \$1,470.00

Other Electrical Service: Required new 208vac Transformer, Switch and Panel with Breakers

Component Description: Payment for the

portion of invoice pertaining to the category of

Electrical provided by Gates Air. See

Call Sign
Allocation
11042018.pdf

**Amount:** \$3,361.15

Component Description: Down Payment for

the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf

**Amount:** \$798.69

portion of invoice pertaining to the category of

Electrical provided by Gates Air. See

Call Sign Allocation 11042018.pdf \$3,327.87

Amount:

Component Description: Payment for the

portion of the invoice pertaining to the 2" Conduit, Transformer, 208v Switch Gear.See

Call Sign Allocation 11262018.pdf \$12,753.00

Amount:

Component Description: Payment for the

portion of the invoice pertaining to the 2" Conduit, Transformer, 208v Switch Gear.See

Call Sign Allocation 11042018 PO Invoice.pdf. \$29,757.00

**Amount:** 

Component Description: Down Payment for

the portion of invoice pertaining to the category of Electrical provided by Gates Air. See also PO Upload and Call Sign Allocation 02072018.pdf

**Amount:** \$2,495.91

10 Ton system

Component Description: Payment for

**HVAC** at Main Site

for new

transmitter. See

Call Sign
Allocation
09192018.pdf
System does not
allow the use of
the "&" symbol
that is part of the
companies name
so I replaced it
with "and".

**Amount:** \$8,100.00

# **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- R	\$425,223.43	\$422,883.43		\$209,977.43	
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized	\$27,333.43	\$27,333.43	Duplicate entry created from 399 system. Was Recommended by Reimburse Viewer to add this explanation and put no cost in the estimate.	\$12,288.43	Previous Antenna Line was superseded, thus this new antenna line. Earlier price provided on 399 was just an estimate and after full installation the cost was increased.

UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized	\$150,450.00	\$150,450.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***Interim Panel Antenna required to approximate the current viewer coverage without exceeding licensed contour. Vendor Change	\$135,405.00	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$18,588.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	\$2,700.00	N/A

Interim Tower Rigging	\$200,000.00	\$200,000.00	Interim Site rigging, installation of antenna and line using Widelity Estimate for Tower Rigging.	\$40,996.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$0.00	N/A
Primary Antenna TFU-29JSC- R-04	\$233,940.00	\$231,500.00		\$179,785.70	
UHF - High Power, Side Mount, basic slot antenna,	\$184,900.00	\$184,900.00	Main Antenna replacement, current antenna cannot be retuned. Price	\$148,242.50	N/A
770 kW input, horizontally polarized			includes shipping. Vendor Change		

Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	\$13,900.00	\$13,200.00	N/A	\$9,268.20	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$22,000.00	N/A	\$19,575.00	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	\$2,700.00	N/A
Sub-total	\$659,163.43	\$654,383.43	N/A	\$389,763.13	N/A
Total for all systems	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A

## Components

<b>Actual Information</b>		
Description	File Name	

UHF – Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized

Component Description: Payment for the

portion of invoice pertaining to the category of Interim Antenna. See Call Sign Allocation

09192018.pdf Previous Line was

superseded.

**Amount:** \$15,045.00

Component Description: Payment for the

portion of invoice pertaining to the category of

Interim Antenna -

Radome.

**Amount:** \$12,288.43

UHF – Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized

Component Description: Removed due to

they system new line superseding

this line.

Amount: N/A

Component Description: Down Payment for

the portion of invoice pertaining to the category of Interim Antenna.

**Amount:** \$67,702.50

Component Description: Pre-Ship Payment

for the portion of invoice pertaining to the category of Interim Antenna. See Call Sign Allocation 09192018.pdf

**Amount:** \$67,702.50

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: Down Payment for

the portion of invoice pertaining to the category of side mount bracket.

**Amount:** \$8,364.60

Component Description: Payment for the

portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf

**Amount:** \$1,858.80

Component Description: Pre-Ship Payment

for the portion of invoice pertaining to the category of side mount

bracket. See Call Sign Allocation 09192018.pdf

**Amount:** \$8,364.60

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: Invoice pertaining

to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$2,700.00

	Component Description:  Amount:	Payment for the portion of invoice pertaining to the Interim Tower Rigging. See Call Sign Allocation 09192018.pdf \$40,996.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Information not provided.	
Sweep test of existing antenna	Information not provided.	
UHF - High Power, Side Mount, basic slot antenna, 770 kW input, horizontally polarized	Component Description:	Payment for the invoice pertaining to the category of Main Antenna. Freight and storage.
	Amount:	\$7,842.50
	Component Description:	Down Payment for the portion of invoice pertaining to the category of Primary Antenna.
	Amount:	\$70,200.00
	Component Description:	Pre-Ship Payment for the portion of invoice pertaining to the category of Primary Antenna. See Call Sign Allocation 09192018.pdf
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Sweep test of existing antenna	Information not provided.		
Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	Pre-Ship Payment for the portion of invoice pertaining to the category of Elbow Complex. See Call Sign Allocation 09192018.pdf	
	Amount:	\$4,634.10	
	Component Description:	Down Payment for the portion of invoice pertaining to the category of Elbow Complex	
	Amount:	\$4,634.10	
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:	Pre-Ship Payment for the portion of invoice pertaining	
		to the category of side mount bracket. See Call Sign Allocation 09192018.pdf	
	Amount:	\$9,787.50	
	Component Description:	Down Payment for the portion of invoice pertaining to the category of side mount	
		bracket.	

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: Invoice pertaining

to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$2,700.00

## **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
Interim Transmission Line	\$347,440.00	\$321,963.66		\$321,963.66	
Rigid Transmission Line - copper, 6 1/8"	\$347,440.00	\$321,963.66	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.	\$321,963.66	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.
Primary Transmission Line	\$372,650.00	\$383,346.00		\$194,314.01	
Rigid Transmission Line - copper, 7 3 /16"	\$372,650.00	\$383,346.00	Cost includes all hangars, line, pressure windows and required dehydrator. Line design and site evaluation included in cost.	\$194,314.01	N/A
Sub-total	\$720,090.00	\$705,309.66	N/A	\$516,277.67	N/A
Total for all systems	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A

## Components

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description:  Amount:	Payment for the invoice pertaining to the category of Interim Line. \$7,631.43
	Component Description:  Amount:	Payment for the invoice pertaining to the category of Interim Line. \$85.40
	Component Description:	Payment for the invoice pertaining to the category of Interim Line that involves line
	Amount:  Component Description:	sweep and tuning. \$6,400.00 Payment for the
	Amount:	invoice pertaining to the category of Interim Line \$7,819.14
	Component Description:	Down Payment for the portion of invoice pertaining to the category of
	Amount:	Interim Line. \$136,212.26

portion of invoice pertaining to the category of

Interim Line. See

Call Sign Allocation 09192018.pdf

**Amount:** \$19,934.38

Component Description: Payment for the

portion of invoice pertaining to the category of Interim Line. Quote, Letter included.

**Amount:** \$7,668.79

Component Description: Pre-Ship Payment

for the portion of invoice pertaining to the category of Interim Line. See

Call Sign Allocation 09192018.pdf

**Amount:** \$136,212.26

Rigid Transmission Line -
copper, 7 3/16"

invoice pertaining to the category of

Main Line.

**Amount:** \$2,410.50

Component Description: Down Payment

for the portion of invoice pertaining to the category of Primary Line.

**Amount:** \$92,117.36

Component Description: Payment for the

portion of invoice pertaining to the category of Main Line. Quote, Letter included.

**Amount:** \$7,668.79

Component Description: Pre-Ship Payment

for the portion of invoice pertaining to the category of Primary Line. See

Call Sign Allocation 09192018.pdf.

**Amount:** \$92,117.36

## **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 Co
Primary Tower TOWER	\$1,319,324.00	\$1,255,524.00		\$336,521.60	
Serious tower reinforcement /modifications	\$1,052,000.00	\$1,000,000.00	Serious Tower Modification are required to bring tower to current standards.	\$145,323.60	N/A
Additional Tower Engineering	\$30,524.00	\$30,524.00	Additional tower engineering due to serious tower modifications and studies.	\$26,220.00	N/A
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$25,000.00	N/A	\$19,740.00	N/A
Tall Tower (greater than 500')	\$210,500.00	\$200,000.00	N/A	\$145,238.00	N/A
Sub-total	\$1,319,324.00	\$1,255,524.00	N/A	\$336,521.60	N/A
Total for all systems	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A

## Components

Actual Information Description	File Name	
Serious tower reinforcement /modifications	Component Description:	Payment for the portion of invoice to the category of Tower Modifications. System does not allow the use of the "&" symbol that is part of the companies name so I replaced it with "and".
	Amount:	\$6,584.00
	Component Description:  Amount:	Payment for the portion of invoice pertaining to the category of Main Tower Modifications and Mobilization. See Call Sign Allocation1104018. pdf \$40,400.00
	Component Description:  Amount:	20 % Payment for the portion of invoice pertaining to the category of Main Tower Modifications. See Insite Tower RIO Mod Quote Main. See Call Sign Allocation 09192018. pdf \$49,169.80

Component Description: 20% Payment for the

portion of invoice pertaining to the category of Main Tower Modifications. See Insite Tower RIO Mod Quote Main. See Call Sign Allocation 09192018.

pdf

**Amount:** \$49,169.80

Additional Tower Engineering

Component Description: Invoice pertaining to

the category of Tower Mod Studies for difficult Tower.

**Amount:** \$26,220.00

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description: Invoice pertaining to

the category of Tower Mapping. See also PO Upload and Call Sign Allocation 01252018.pdf as well

as revised

PO#CPG7869Rev1 uploaded on 04/27

/2018

**Amount:** \$6,300.00

Component Description: Invoice pertaining to

the category of Tower Mapping. See also PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$13,440.00

Tall Tower (greater than 500')

Component Description: Payment for the

portion of invoice to the category of Main Rigging. System does not allow the use of the "&"

symbol that is part of the companies name so I replaced it with

"and".

**Amount:** \$29,047.60

Component Description: Payment for the

portion of invoice to the category of Main Rigging. System does not allow the use of the "&"

symbol that is part of the companies name so I replaced it with

"and".

**Amount:** \$29,047.60

Component Description: Payment for the

portion of invoice to the category of Main Rigging. System does not allow the use of the "&"

symbol that is part of the companies name so I replaced it with

"and".

**Amount:** \$29,047.60

Component Description: Payment for the

portion of invoice to the category of Main Rigging. System does not allow the use of the "&"

symbol that is part of the companies name so I replaced it with

"and".

**Amount:** \$29,047.60

**Component Description:** 20% Payment for the

portion of invoice to the category of Main Rigging. System won't allow the use of the "&" symbolfor vendor name, replaced it with

"and". See Call Sign Allocation 09192018. pdf. See Rio Steel Quote 03212018

Main.

**Amount:** \$29,047.60

# **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	\$214,304.40	\$238,148.90		\$91,098.90	
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$31,714.50	Earlier price provided on 399 was just an estimate and after actual cost was increased. Cost was also higher due to Interim Site.	\$31,714.50	Earlier price provided on 399 was just an estimate and after actual cost was increased. Cost was also higher due to Interim Site.
Prepare request for Special Temporary Authorization	\$2,050.00	\$4,950.00	Earlier price provided on 399 was just an estimate and after actual cost was increased.	\$4,950.00	Earlier price provided on 399 was just an estimate and after actual cost was increased.

Interim Facility Engineering	\$48,854.40	\$48,854.40	Interim Facility building engineering, mechanical, A/E, and utilities. Civil design and stamped drawing package.	\$48,854.40	Earlier price provided on 399 was just an estimate and after bid process and full installation the cost was increased.
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
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	\$8,000.00	This is for both the Main Tower Site as well as the Interim Site.	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

Sub-total	\$214,304.40	\$238,148.90	N/A	\$91,098.90	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
Prepare and or review reimbursement form	\$2,630.00	\$2,880.00	Earlier price provided on 399 was just an estimate and after actual cost was increased.	\$2,880.00	Earlier price provided on 399 was just an estimate and after actual cost was increased
Project management of the transition	\$25,280.00	\$24,000.00	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	\$2,700.00	Earlier price provided on 399 was just an estimate and after actual cost was increased.
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 and File FCC Form 2100 (main), Construction Permit Application		\$5,000.00			

Total for all	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A
systems					

## Components

Actual Information Description	File Name	
Perform engineering study for new channel assignment and antenna development	Component Description:  Amount:	Payment for the portion of invoice pertaining to the category of new assignment engineering \$14,944.50
	Component Description:	Payment for the portion of invoice pertaining to the category of new assignment engineering
	Amount:	\$15,795.00
	Component Description:	Payment for the portion of invoice pertaining to the category of new assignment engineering
	Amount:	\$975.00
Prepare request for Special Temporary Authorization	Component Description:	Payment for the portion of invoice pertaining to the category of STA Prepare.
	Amount:	\$4,950.00
Interim Facility Engineering		

Component Description: Invoice pertaining

to the portion of design in the category of Interim Facility Engineering.

See Call Sign Allocation 11042018 PO Invoice.pdf.

**Amount:** \$3,600.00

Component Description: Invoice pertaining

to the portion of design in the category of Interim

Facility

Engineering. See Call Sign Allocation 09192018.pdf

**Amount:** \$854.40

Amount:

Component Description: Invoice pertaining

to the portion of design in the category of Interim

Facility

Engineering. \$33,600.00

Component Description: Invoice pertaining

to the portion of design in the category of Interim

Facility

Engineering. See Call Sign Allocation 09192018.pdf

**Amount:** \$3,600.00

	Component Description:  Amount:	Invoice pertaining to the portion of design in the category of Interim Facility Engineering. \$7,200.00
RF Exposure Measurements	Information not provided.	
Comprehensive coverage verification via field study, if needed	Information not provided.	
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 - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Component Description:	Payment for the portion of invoice pertaining to the
		category of CP
		Prepare.
	Amount:	\$2,325.00
	Component Description:	Payment for the portion of invoice pertaining to the category of CP
		Prepare.
	Amount:	\$375.00
Project management of the transition	Information not provided.	
Prepare and or review reimbursement form		
	Component Description:	Payment for the
		portion of invoice
		pertaining to the category of 399
		reimbursement.
	Amount:	\$1,605.00
	Component Description:	Payment for the
	·	portion of invoice
		pertaining to the
		category of 399
		reimbursement.
	Amount:	\$1,275.00
Address transition timing and coordination issues w/other stations and wireless	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 Cos Justificatio
Other Expenses	\$790,586.65	\$790,021.65		\$111,623.13	
Interim Tower Modifications	\$150,000.00	\$150,000.00	Tower Modifications to bring Interim tower to latest standard before interim antenna and line may be installed. Widelity Estimate for Minor Tower Modifications used.	\$40,996.00	N/A
Interim Tower Mapping and Studies	\$31,388.00	\$31,388.00	Interim Tower Mapping, Structural and engineering studies required by tower owner. *Earlier price provided on 399 was just an estimate and after full installation the cost was increased.	\$31,388.00	Earlier price provided constraints and after for installation the cost which increased

Interim Tower and Ground Lease	\$541,531.85	\$541,531.85	Interim site tower and ground lease for \$8,500.00 month for minimum 5 years. Negotiated from 10 year to 5 year.	\$0.00	Earlier pri provided 399 was j an estima and afte Legal proc and full installatio the cost w increase
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	Certified letter services and notification for FCC Repack channel change.	N/A	N/A
Develop and air announcement of upcoming channel change	\$2,500.00	\$2,500.00	General Public information and channel change campaign including cost of production.	N/A	N/A
Equipment Storage	\$9,983.56	\$9,983.56	Container purchase and delivery for Main and Interim site requiring storage of equipment during construction and tower modifications.	\$7,385.89	N/A

Equipment Delivery and Handling Charges	\$28,103.24	\$28,103.24	Large equipment rental to unload deliveries. Main and Interim Site will be needed. Prior cost was just an estimate. This will continue to increase until project is completed due to tower crew and manufacturer delays.	\$28,103.24	Earlier provided 399 was an estimated and after installation the cost with manufacture and tow crew delay
Disposal Costs (for equipment and other waste, net of any salvage value)	\$4,000.00	\$4,000.00	Cost of antenna and line removal from property for environmental disposal.	N/A	N/A
Local Zoning	\$8,500.00	\$8,500.00	Interim Building Permit and Zoning Permits for Wagoner County, Oklahoma	N/A	N/A
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

DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
Sub-total	\$790,586.65	\$790,021.65	N/A	\$111,623.13	N/A
Total for all systems	\$8,173,841.06	\$7,588,314.70	N/A	\$5,174,754.95	N/A

## Components

Actual Information		
Description	File Name	
Interim Tower Modifications		
	Component Description:	Payment for the
		portion of invoice
		pertaining to the
		Interim Tower
		Modifications. See
		Call Sign
		Allocation
		09192018.pdf.
	Amount:	\$40,996.00

Interim Tower Mapping and Studies

Component Description: Payment for

Interim Rigging Review and Post Inspection. See

Call Sign Allocation 09192018.pdf. Quote and PO attached.

**Amount:** \$7,700.00

Component Description: Invoice pertaining

to the portion of design in the category of Interim

Mapping/Study.

**Amount:** \$10,438.00

Component Description: Invoice pertaining

to the portion of design in the category of Interim Mapping/Study.

**Amount:** \$6,750.00

Component Description: Invoice pertaining

to the portion of design in the

category of Interim Mapping/Study. See also PO Upload and Call Sign Allocation 01252018.pdf

**Amount:** \$6,500.00

Component Description:	Payment for the
	portion of the invoice pertaining to the Interim Lease. See Call
	Sign Allocation 11042018 PO
Amount:	Invoice.pdf. \$541,531.85
Information not provided.	
Information not provided.	
Component Description:	Payment for the invoice pertaining to the category of Storage. Main See Call Sign Allocation 11042018 PO Invoice.pdf.
Amount:	\$3,712.50
Component Description:	Payment for the invoice pertaining to the category of Storage. Interim See Call Sign Allocation 11042018 PO Invoice.pdf.
Amount:	\$3,673.39
	Amount:  Information not provided.  Information not provided.  Component Description:  Component Description:

Component Description: Payment

pertaining to the category of Equipment Delivery &

Handling Charges. See Call Sign Allocation 11262018.pdf

**Amount:** \$3,860.34

Component Description: Payment

pertaining to the category of Equipment Delivery &

Handling Charges. See Call Sign Allocation 11262018.pdf

**Amount:** \$3,114.01

Component Description: Payment

pertaining to the category of Equipment Delivery &

Handling Charges.
See Call Sign
Allocation
11262018.pdf

**Amount:** \$3,383.25

Component Description: Payment

pertaining to the category of Equipment Delivery &

**Handling Charges** 

**Amount:** \$3,114.01

Component Description: Payment

pertaining to the category of Equipment Delivery &

**Handling Charges** 

**Amount:** \$3,114.01

Component Description: Payment

pertaining to the category of Equipment Delivery &

**Handling Charges** 

**Amount:** \$3,114.01

Component Description: Payment

pertaining to the category of Equipment Delivery &

**Handling Charges** 

**Amount:** \$3,114.01

Component Description: Payment

pertaining to the category of Equipment Delivery &

Handling Charges. See Call Sign Allocation 11262018.pdf Delivery and

pickup charges are on the quote Page 4 of 5 for this

invoice.

**Amount:** \$622.94

Payment pertaining to the category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf \$1,764.72
pertaining to the category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
Handling Charges. See Call Sign Allocation 11262018.pdf
See Call Sign Allocation 11262018.pdf
Allocation 11262018.pdf
•
\$1,764.72
Payment
pertaining to the
category of
Equipment
Delivery &
Handling Charges.
See Call Sign
Allocation
11262018.pdf \$3,987.34
Payment
pertaining to the
category of
Equipment
Delivery &
Handling Charges.
See Call Sign
Allocation
11262018.pdf
\$679.32

Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.
Local Zoning	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	Information not provided.
FCC Filing Fees - Form 2100 license to cover application	Information not provided.

DTV Medical Facility Notification

Component Description: Payment for DTV

Medical

Notifications. See

Call Sign Allocation

09192018.pdf

**Amount:** \$3,750.00

# Cost Information

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$8,173,841.06	\$7,588,314.70	\$5,174,754.95

Reimbursem	entestiatus	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.
- 2. 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. Darin Hall Chief Engineer

03/08/2019

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.
- 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. Darin Hall Chief Engineer

03/08/2019

#### **Attachments**