



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **54420** | Service: **DTV** | Call **KMYT-TV** | Channel: **34 (UHF)** |  
ID: | Sign: |  
File **0000027940**  
Number: |  
FRN: **0032111452** | Date **03/11**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
<b>COX TELEVISION TULSA, LLC</b> 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 Information

### Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

## Preparer Contact Information

### Preparer Contact Name and Information

Applicant	Address	Phone	Email
<b>Darin Hall</b> <i>Chief Engineer</i> <i>Cox Television Tulsa, LLC</i>	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**

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

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

**Primary  
Transmitter**

**New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-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

**Primary  
Transmitter**

**Other Transmitter Costs**

Section	Question	Response
<b>Electrical Service</b>	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
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	10 tons
	Other Size	N/A
<b>Transmitter Building Addition/Modification or Leasehold Improvement</b>	Does the Transmitter Building require an addition, modification, other leasehold improvement?	No
	Size	N/A
<b>Channel 14 Costs</b>	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Primary Transmitter

Other Transmitter Cost Not Listed

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

**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.
<b>HVAC Service</b>	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	20 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	1200.0 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
<b>Inside RF System</b>	Is an additional interior RF system required to support this interim transmitter?	Yes

## Interim Transmitter

### Other Transmitter Cost Not Listed

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



**Antennas**

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

## Primary Antenna

### Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	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 Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	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

Primary  
Antenna

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 Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power) .....	770.0 kW
	Manufacturer	

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

## Primary Antenna

### Other Antenna Costs

Section	Question	Response
<b>Combiner for Shared Antenna</b>	Do you need a Combiner for a Shared Antenna?	No
	Type	
	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
<b>Elbow Complex</b>	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
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes

<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes
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**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Interim  
Antenna**

**New Antenna Costs**

Section	Question	Response
<b>New Antenna Description</b>	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
<b>New Antenna Manufacturer and Type</b>	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	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- R
	Year	2018

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

### Other Antenna Costs

Section	Question	Response
<b>Elbow Complex</b>	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
<b>Side Mount Brackets</b>	Do you require the separate purchase of side mount brackets for an antenna?	Yes
<b>Pattern Scatter Analysis</b>	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
<b>Sweep Test</b>	Do you require the sweep testing of transmission line and antenna?	Yes

## Interim Antenna

### Other Antenna Cost Not Listed

Name	Description
<b>Interim Tower Rigging</b>	Rigging and installation costs for Interim Antenna and Line.



**Transmission Line**

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

**Primary**      **Add Transmission Line**  
**Transmission Line**

Section	Question	Response
<b>Existing Transmission Line 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 transmission currently shared with any other stations?	No
	Is Transmission Line in operating condition?	Yes
<b>Existing Transmission Line Manufacturer and Type</b>	Manufacturer	
	Type	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** **New Transmission Line**  
**Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Type	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 Line**

Information not provided.

**Interim**  
**Transmission Line**

**New Transmission Line**

Section	Question	Response
<b>New Transmission Line Costs</b>	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Type	Rigid
	Diameter	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**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

Information 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 Registration	Do you have a tower registration number?	Yes
	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 feet
	Support Structure Height	1200.12 feet
	Ground Elevation Above Mean Sea Level (AMSL)	709.97 feet

	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
<b>Engineering Study</b>	Please what type of engineering study is required, if any:	Study needed for undocumented /poorly documented tower
<b>Tower Reinforcements</b>	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 Services Costs**

Section	Question	Response
<b>Outside Project Management Services</b>	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.
<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	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A



<b>Attorney and Other Outside Consulting Services</b>	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	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
<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
Interim Facility Engineering	Service Fees for engineering, mechanical and utilities design and management.

## Other Expenses

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

**Other  
Expenses**

**Other Expenses Not Listed**

Name	Description
<b>Interim Tower and Ground Lease</b>	Interim Tower and Ground Lease will be required by Interim Tower Owner for 5 years minimum.
<b>Interim Tower Mapping and Studies</b>	Tower Mapping and Studies will be needed to be performed on Interim Tower and grounds to determine loading.
<b>Interim Tower Modifications</b>	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	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter ULXTE-72	\$2,702,173.89	\$2,252,522.35		\$2,108,462.53	
STL Signal Link	<i>\$222,634.64</i>	\$222,634.64	STL/TSL Signal from Studio. Dish, Line, Radios for both ends. Includes Rigging and path alignment. Frequency path analysis and line sweeps.	\$141,702.26	N/A
Transmitter Control	<i>\$0.00</i>	\$0.00	N/A	N/A	N/A
UHF inside 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.

Other -- Building Addition Size: 1200.0	<b>\$458,149.23</b>	\$458,149.23	Building constructed at Interim Site. No existing facility available at site. This build includes floor, walls, roof, and ice protection. Outdoor concrete pads for heat exchangers with ice protection. *Earlier price provided on 399 was just an estimate	\$456,360.92	Earlier price provided on 399 was just an estimate and after bid process and full installation the cost was increased.
Other Electrical Service: 208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.	<b>\$272,140.02</b>	\$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.

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
<b>Primary Transmitter ULXTE-80</b>	<b>\$1,768,198.69</b>	<b>\$1,692,404.71</b>		<b>\$1,621,007.99</b>	
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

Spare Parts Kit	<b>\$13,931.27</b>	\$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.
Transmitter Disposal	<b>\$1,788.00</b>	\$1,788.00	Environmental disposal of existing Sigma coolant and Beam supply oil. 10 Drums/550 gallons.	N/A	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	\$8,100.00	N/A
Other Electrical Service: Required new 208vac Transformer, Switch and Panel with Breakers	<b>\$52,493.62</b>	\$52,493.62	208VAC Transformer and Surge Suppressor from Gates Air, installation and 208VAC panel board and breakers including associated wiring. Early estimate was low and after final quotes the cost had increased.	\$52,493.62	Earlier price provided on 399 was just an estimate and after full installation the cost was increased.
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	\$4,900.00	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.
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$19,935.00	N/A
<b>Sub-total</b>	\$4,470,372.58	\$3,944,927.06	N/A	\$3,729,470.52	N/A
<b>Total for all systems</b>	\$8,158,796.06	\$7,573,269.70	N/A	\$5,174,132.01	N/A

## Components

Actual Information	
Description	File Name
STL Signal Link	<p><b>Component Description:</b> Payment for the invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 11042018 PO Invoice.pdf.</p> <p><b>Amount:</b> \$8,761.00</p>

<b>Component Description:</b>	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.
<b>Amount:</b>	\$23,088.82

<b>Component Description:</b>	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".
<b>Amount:</b>	\$1,100.00

<b>Component Description:</b>	Payment for STL /TSL Fiber I/O Connection adaptor. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$1,746.27

<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$357.38

<b>Component Description:</b>	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.
<b>Amount:</b>	\$10,049.60

<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$5,492.11

	<div data-bbox="715 159 1023 192"><b>Component Description:</b></div> <div data-bbox="1157 159 1378 786"> <p>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 "&amp;" symbol that is part of the companies name so I replaced it with "and".</p> </div> <div data-bbox="715 797 825 828"><b>Amount:</b></div> <div data-bbox="1157 797 1275 828">\$1,475.00</div>
	<div data-bbox="715 936 1023 969"><b>Component Description:</b></div> <div data-bbox="1157 936 1362 1205"> <p>Payment for the invoice pertaining to the category of Interim STL/TSL. See Call Sign Allocation 09192018.pdf</p> </div> <div data-bbox="715 1216 825 1247"><b>Amount:</b></div> <div data-bbox="1157 1216 1254 1247">\$719.68</div>
	<div data-bbox="715 1352 1023 1386"><b>Component Description:</b></div> <div data-bbox="1157 1352 1372 1861"> <p>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.</p> </div> <div data-bbox="715 1872 825 1904"><b>Amount:</b></div> <div data-bbox="1157 1872 1289 1904">\$98,962.00</div>
Transmitter Control	Information not provided.

UHF inside RF system including switching	<div> <b>Component Description:</b> <p>Final Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 09192018.pdf</p> </div> <div> <b>Amount:</b> <p>\$35,337.39</p> </div>
	<div> <b>Component Description:</b> <p>1/3 Pre-Ship Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 09192018.pdf</p> </div> <div> <b>Amount:</b> <p>\$35,337.39</p> </div>
	<div> <b>Component Description:</b> <p>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</p> </div> <div> <b>Amount:</b> <p>\$35,337.39</p> </div>
Other -- Building Addition Size: 1200.0	<div> <b>Component Description:</b> <p>Invoice pertaining to the portion of geotech in the category of Interim Facility. See also PO Upload and Call Sign Allocation 01252018.pdf</p> </div> <div> <b>Amount:</b> <p>\$2,100.00</p> </div>

<b>Component Description:</b>	Payment for the 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.
<b>Amount:</b>	\$29,584.88

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$156,828.87

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$7,905.58

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$103,672.33

<b>Component Description:</b>	Payment for Facility Construction Inspections. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$1,774.75

<b>Component Description:</b>	Payment for Facility Construction Inspections. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$606.50

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$106,847.91

<b>Component Description:</b>	Payment for temporary power required for Facility Construction. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$2,057.92

	<p><b>Component Description:</b></p> <p>Payment for the portion of the invoice pertaining to the Interim Building Addition. See Call Sign Allocation 09192018.pdf Includes Letter explaining Retainage Allocations for Final Invoice.</p> <p><b>Amount:</b></p> <p>\$44,982.18</p>
Other Electrical Service: 208vAC Transformer, Switch and Panel with Breakers for Pumps, Loads, Generator, lighting and UPS.	<p><b>Component Description:</b></p> <p>Payment for the invoice pertaining to the Interim Building Generator /ATS. First required generator fuel fill to test tank.</p> <p><b>Amount:</b></p> <p>\$4,106.08</p>
	<p><b>Component Description:</b></p> <p>Final Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See Call Sign Allocation 09192018.pdf</p> <p><b>Amount:</b></p> <p>\$3,378.27</p>
	<p><b>Component Description:</b></p> <p>Please delete component.</p> <p><b>Amount:</b></p> <p>N/A</p>
	<p><b>Component Description:</b></p> <p>Please delete component.</p> <p><b>Amount:</b></p> <p>N/A</p>



<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Generator /ATS. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$170,568.00

<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air.
<b>Amount:</b>	\$3,378.27

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	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
<b>Amount:</b>	\$3,378.27

	<table> <tr> <td data-bbox="700 87 1139 434"><b>Component Description:</b></td><td data-bbox="1139 87 1426 434">Payment for Interim Transmitter Electrical Installation. See Call Sign Allocation 09192018.pdf</td></tr> <tr> <td data-bbox="700 434 1139 557"><b>Amount:</b></td><td data-bbox="1139 434 1426 557">\$47,498.00</td></tr> <tr> <td data-bbox="700 557 1139 1095"><b>Component Description:</b></td><td data-bbox="1139 557 1426 1095">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.</td></tr> <tr> <td data-bbox="700 1095 1139 1184"><b>Amount:</b></td><td data-bbox="1139 1095 1426 1184">\$18,952.00</td></tr> </table>	<b>Component Description:</b>	Payment for Interim Transmitter Electrical Installation. See Call Sign Allocation 09192018.pdf	<b>Amount:</b>	\$47,498.00	<b>Component Description:</b>	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.	<b>Amount:</b>	\$18,952.00
<b>Component Description:</b>	Payment for Interim Transmitter Electrical Installation. See Call Sign Allocation 09192018.pdf								
<b>Amount:</b>	\$47,498.00								
<b>Component Description:</b>	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.								
<b>Amount:</b>	\$18,952.00								
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	<table> <tr> <td data-bbox="700 1184 1139 1778"><b>Component Description:</b></td><td data-bbox="1139 1184 1426 1778">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</td></tr> <tr> <td data-bbox="700 1778 1139 2134"><b>Amount:</b></td><td data-bbox="1139 1778 1426 2134">\$367,476.82</td></tr> </table>	<b>Component Description:</b>	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	<b>Amount:</b>	\$367,476.82				
<b>Component Description:</b>	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								
<b>Amount:</b>	\$367,476.82								

<b>Component Description:</b>	Containers needed for required H2O for transmitter install. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$1,385.09

<b>Component Description:</b>	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
<b>Amount:</b>	\$348,896.55

<b>Component Description:</b>	Payment for pertaining to the category of transmitter and installation.
<b>Amount:</b>	\$919.28

<b>Component Description:</b>	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
<b>Amount:</b>	\$348,896.55

Service entrance 3 phase /800 amp/208 volt
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<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$4,747.50

<b>Component Description:</b>	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.
<b>Amount:</b>	\$1,675.80

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$3,082.50

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$1,556.20

	<b>Component Description:</b>	Please delete component.
	<b>Amount:</b>	N/A
	<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Service Entrance. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$4,500.00
Switchgear - industrial 800 amp	<b>Component Description:</b>	Please delete component.
	<b>Amount:</b>	N/A
	<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$13,419.07
	<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$6,211.80

	<b>Component Description:</b>	Please delete component.
	<b>Amount:</b>	N/A
	<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Switch Gear. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$7,217.93
	<b>Component Description:</b>	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.
	<b>Amount:</b>	\$2,983.20
Transformer 3 phase/480v - 150 KVA	<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building Transformer. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$8,887.50

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	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.
<b>Amount:</b>	\$987.50

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

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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:** 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

**Component Description:** Please delete component.

**Amount:** N/A

**Component Description:** Please delete component.

**Amount:** N/A

**Component Description:** Please delete component.

**Amount:** N/A



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

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$10,647.00

<b>Component Description:</b>	Please delete component.
<b>Amount:</b>	N/A

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the Interim Building HVAC. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$9,582.30

<b>Component Description:</b>	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.
<b>Amount:</b>	\$2,366.00

**Component Description:**

Payment for the  
portion of the  
invoice pertaining  
to the Interim  
Building HVAC.  
See Call Sign  
Allocation  
09192018.pdf  
\$1,064.70

**Amount:****Component Description:**

Please delete  
component.  
N/A

**Amount:**

Indoor RF Equipment	<table> <tr> <td data-bbox="711 98 1134 524"><b>Component Description:</b></td><td data-bbox="1137 98 1426 524">Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf</td></tr> <tr> <td data-bbox="711 528 1134 591"><b>Amount:</b></td><td data-bbox="1137 528 1426 591">\$29,272.09</td></tr> <tr> <td data-bbox="711 658 1134 949"><b>Component Description:</b></td><td data-bbox="1137 658 1426 949">Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf</td></tr> <tr> <td data-bbox="711 954 1134 1016"><b>Amount:</b></td><td data-bbox="1137 954 1426 1016">\$41,588.89</td></tr> <tr> <td data-bbox="711 1084 1134 1375"><b>Component Description:</b></td><td data-bbox="1137 1084 1426 1375">Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf</td></tr> <tr> <td data-bbox="711 1379 1134 1442"><b>Amount:</b></td><td data-bbox="1137 1379 1426 1442">\$40,114.03</td></tr> <tr> <td data-bbox="711 1509 1134 1868"><b>Component Description:</b></td><td data-bbox="1137 1509 1426 1868">Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf</td></tr> <tr> <td data-bbox="711 1872 1134 1957"><b>Amount:</b></td><td data-bbox="1137 1872 1426 1957">\$9,367.07</td></tr> </table>	<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf	<b>Amount:</b>	\$29,272.09	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf	<b>Amount:</b>	\$41,588.89	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf	<b>Amount:</b>	\$40,114.03	<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf	<b>Amount:</b>	\$9,367.07
<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf																
<b>Amount:</b>	\$29,272.09																
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf																
<b>Amount:</b>	\$41,588.89																
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Indoor RF. See Call Sign Allocation 11042018.pdf																
<b>Amount:</b>	\$40,114.03																
<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Indoor RF. See also PO Upload and Call Sign Allocation 02072018.pdf																
<b>Amount:</b>	\$9,367.07																
Spare Parts Kit																	

<b>Component Description:</b>	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
<b>Amount:</b>	\$3,482.82

<b>Component Description:</b>	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
<b>Amount:</b>	\$4,690.19

<b>Component Description:</b>	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
<b>Amount:</b>	\$4,643.76

	<p><b>Component Description:</b></p> <p>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</p> <p><b>Amount:</b></p> <p>\$1,114.50</p>
Transmitter Disposal	Information not provided.
10 Ton system	<p><b>Component Description:</b></p> <p>Payment for HVAC at Main Site for new transmitter. See Call Sign Allocation 09192018.pdf System does not allow the use of the "&amp;" symbol that is part of the companies name so I replaced it with "and".</p> <p><b>Amount:</b></p> <p>\$8,100.00</p>
Other Electrical Service: Required new 208vac Transformer, Switch and Panel with Breakers	<p><b>Component Description:</b></p> <p>Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See Call Sign Allocation 11042018.pdf</p> <p><b>Amount:</b></p> <p>\$3,361.15</p>

<b>Component Description:</b>	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
<b>Amount:</b>	\$798.69

<b>Component Description:</b>	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
<b>Amount:</b>	\$2,495.91

<b>Component Description:</b>	Payment for the portion of the invoice pertaining to the 2" Conduit, Transformer, 208v Switch Gear. See Call Sign Allocation 11042018 PO Invoice.pdf.
<b>Amount:</b>	\$29,757.00

	<p><b>Component Description:</b></p> <p>Payment for the portion of invoice pertaining to the category of Electrical provided by Gates Air. See Call Sign Allocation 11042018.pdf</p> <p><b>Amount:</b></p> <p>\$3,327.87</p>
	<p><b>Component Description:</b></p> <p>Payment for the portion of the invoice pertaining to the 2" Conduit, Transformer, 208v Switch Gear. See Call Sign Allocation 11262018.pdf</p> <p><b>Amount:</b></p> <p>\$12,753.00</p>
3" Rigid Conduit and Wiring (Cost per foot)	<p><b>Component Description:</b></p> <p>Payment for the portion of the invoice pertaining to the 3" Conduit. See Call Sign Allocation 11042018 PO Invoice.pdf.</p> <p><b>Amount:</b></p> <p>\$3,430.00</p> <p><b>Component Description:</b></p> <p>Payment for the portion of the invoice pertaining to the 3" Conduit. See Call Sign Allocation 11262018.pdf</p> <p><b>Amount:</b></p> <p>\$1,470.00</p>
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	

<b>Component Description:</b>	Final Payment for portion of the invoice pertaining to the category of transmitter, installation and freight, including required Change Orders for Installation.
<b>Amount:</b>	\$103,032.45

<b>Component Description:</b>	Payment for portion of the invoice pertaining to the category of transmitter and installation and freight. See and Call Sign Allocation 11042018.pdf
<b>Amount:</b>	\$434,659.32

<b>Component Description:</b>	Payment for pertaining to the category of transmitter and installation.
<b>Amount:</b>	\$564.44

<b>Component Description:</b>	Payment for portion of the invoice pertaining to the category of transmitter and installation and freight. See and Call Sign Allocation 11042018.pdf
<b>Amount:</b>	\$453,010.59



**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

Switchgear - industrial 800  
amp

**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

**Component Description:**

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

**Amount:**

\$5,980.50

## 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	\$410,178.43	\$407,838.43		\$209,977.43	
UHF – Broadband Panel, Side Mount Auxiliary /Interim, 1000 horizontally polarized	<i>\$135,405.00</i>	\$135,405.00	***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
Interim Tower Rigging	<i>\$200,000.00</i>	\$200,000.00	Interim Site rigging, installation of antenna and line using Widelity Estimate for Tower Rigging.	\$40,996.00	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
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
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

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.
<b>Primary Antenna TFU-29JSC- R-04</b>	<b>\$233,940.00</b>	<b>\$231,500.00</b>		<b>\$179,785.70</b>	
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
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

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
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	N/A	N/A
UHF - High Power, Side Mount, basic slot antenna, 770 kW input, horizontally polarized	<b>\$184,900.00</b>	\$184,900.00	Main Antenna replacement, current antenna cannot be retuned. Price includes shipping. Vendor Change	\$148,242.50	N/A
<b>Sub-total</b>	\$644,118.43	\$639,338.43	N/A	\$389,763.13	N/A
<b>Total for all systems</b>	\$8,158,796.06	\$7,573,269.70	N/A	\$5,174,132.01	N/A

## Components

### Actual Information

Description

File Name

<p>UHF – Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized</p>	<table> <tr> <td data-bbox="713 100 1145 331"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 100 1428 331"> <p>Removed due to they system new line superseding this line.</p> </td></tr> <tr> <td data-bbox="713 331 1145 443"> <p><b>Amount:</b></p> </td><td data-bbox="1145 331 1428 443"> <p>N/A</p> </td></tr> <tr> <td data-bbox="713 443 1145 674"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 443 1428 674"> <p>Down Payment for the portion of invoice pertaining to the category of Interim Antenna.</p> </td></tr> <tr> <td data-bbox="713 674 1145 786"> <p><b>Amount:</b></p> </td><td data-bbox="1145 674 1428 786"> <p>\$67,702.50</p> </td></tr> <tr> <td data-bbox="713 786 1145 1016"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 786 1428 1016"> <p>Pre-Ship Payment for the portion of invoice pertaining to the category of Interim Antenna.</p> </td></tr> <tr> <td data-bbox="713 1016 1145 1223"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1016 1428 1223"> <p>See Call Sign Allocation 09192018.pdf \$67,702.50</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Removed due to they system new line superseding this line.</p>	<p><b>Amount:</b></p>	<p>N/A</p>	<p><b>Component Description:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of Interim Antenna.</p>	<p><b>Amount:</b></p>	<p>\$67,702.50</p>	<p><b>Component Description:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of Interim Antenna.</p>	<p><b>Amount:</b></p>	<p>See Call Sign Allocation 09192018.pdf \$67,702.50</p>
<p><b>Component Description:</b></p>	<p>Removed due to they system new line superseding this line.</p>												
<p><b>Amount:</b></p>	<p>N/A</p>												
<p><b>Component Description:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of Interim Antenna.</p>												
<p><b>Amount:</b></p>	<p>\$67,702.50</p>												
<p><b>Component Description:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of Interim Antenna.</p>												
<p><b>Amount:</b></p>	<p>See Call Sign Allocation 09192018.pdf \$67,702.50</p>												
<p>Interim Tower Rigging</p>	<table> <tr> <td data-bbox="713 1223 1145 1565"> <p><b>Component Description:</b></p> </td><td data-bbox="1145 1223 1428 1565"> <p>Payment for the portion of invoice pertaining to the Interim Tower Rigging. See Call Sign Allocation</p> </td></tr> <tr> <td data-bbox="713 1565 1145 1671"> <p><b>Amount:</b></p> </td><td data-bbox="1145 1565 1428 1671"> <p>09192018.pdf \$40,996.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the Interim Tower Rigging. See Call Sign Allocation</p>	<p><b>Amount:</b></p>	<p>09192018.pdf \$40,996.00</p>								
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the Interim Tower Rigging. See Call Sign Allocation</p>												
<p><b>Amount:</b></p>	<p>09192018.pdf \$40,996.00</p>												

<p>Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="713 100 1145 622"></td><td data-bbox="1145 100 1428 622"> <p><b>Component Description:</b></p> <p>Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf</p> <p><b>Amount:</b></p> <p>\$2,700.00</p> </td></tr> </table>		<p><b>Component Description:</b></p> <p>Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf</p> <p><b>Amount:</b></p> <p>\$2,700.00</p>				
	<p><b>Component Description:</b></p> <p>Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf</p> <p><b>Amount:</b></p> <p>\$2,700.00</p>						
<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="713 622 1145 1070"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 622 1428 1070"> <p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$8,364.60</p> </td></tr> <tr> <td data-bbox="713 1070 1145 1518"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 1070 1428 1518"> <p>Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$1,858.80</p> </td></tr> <tr> <td data-bbox="713 1518 1145 1951"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1145 1518 1428 1951"> <p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$8,364.60</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$8,364.60</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$1,858.80</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$8,364.60</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$8,364.60</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$1,858.80</p>						
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$8,364.60</p>						



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 8" Broadband Panel, Side Mount Auxiliary/Interim, 1000 horizontally polarized	<table> <tr> <td><b>Component Description:</b></td><td>Payment for the portion of invoice pertaining to the category of Interim Antenna. See Call Sign Allocation 09192018.pdf Previous Line was superseded.</td></tr> <tr> <td><b>Amount:</b></td><td>\$15,045.00</td></tr> <tr> <td><b>Component Description:</b></td><td>Payment for the portion of invoice pertaining to the category of Interim Antenna - Radome.</td></tr> <tr> <td><b>Amount:</b></td><td>\$12,288.43</td></tr> </table>	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Antenna. See Call Sign Allocation 09192018.pdf Previous Line was superseded.	<b>Amount:</b>	\$15,045.00	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Antenna - Radome.	<b>Amount:</b>	\$12,288.43
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Antenna. See Call Sign Allocation 09192018.pdf Previous Line was superseded.								
<b>Amount:</b>	\$15,045.00								
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Antenna - Radome.								
<b>Amount:</b>	\$12,288.43								
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	<table> <tr> <td><b>Component Description:</b></td><td>Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf</td></tr> <tr> <td><b>Amount:</b></td><td>\$2,700.00</td></tr> </table>	<b>Component Description:</b>	Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf	<b>Amount:</b>	\$2,700.00				
<b>Component Description:</b>	Invoice pertaining to the portion of design in the category of Scatter Study. See also PO Upload and Call Sign Allocation 01252018.pdf								
<b>Amount:</b>	\$2,700.00								

<p>Side mount brackets for high power antennas (if not included in antenna base cost)</p>	<table> <tr> <td data-bbox="713 100 1023 517"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1023 100 1428 517"> <p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$9,787.50</p> </td></tr> <tr> <td data-bbox="713 517 1023 965"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1023 517 1428 965"> <p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$9,787.50</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$9,787.50</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$9,787.50</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of side mount bracket.</p> <p>\$9,787.50</p>				
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of side mount bracket. See Call Sign Allocation 09192018.pdf</p> <p>\$9,787.50</p>				
<p>Elbow complex, single channel, at antenna input, per 7 3/16. feedline (if needed)</p>	<table> <tr> <td data-bbox="713 965 1023 1480"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1023 965 1428 1480"> <p>Pre-Ship Payment for the portion of invoice pertaining to the category of Elbow Complex. See Call Sign Allocation 09192018.pdf</p> <p>\$4,634.10</p> </td></tr> <tr> <td data-bbox="713 1480 1023 1794"> <p><b>Component Description:</b></p> <p><b>Amount:</b></p> </td><td data-bbox="1023 1480 1428 1794"> <p>Down Payment for the portion of invoice pertaining to the category of Elbow Complex</p> <p>\$4,634.10</p> </td></tr> </table>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of Elbow Complex. See Call Sign Allocation 09192018.pdf</p> <p>\$4,634.10</p>	<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of Elbow Complex</p> <p>\$4,634.10</p>
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Pre-Ship Payment for the portion of invoice pertaining to the category of Elbow Complex. See Call Sign Allocation 09192018.pdf</p> <p>\$4,634.10</p>				
<p><b>Component Description:</b></p> <p><b>Amount:</b></p>	<p>Down Payment for the portion of invoice pertaining to the category of Elbow Complex</p> <p>\$4,634.10</p>				
<p>Sweep test of existing antenna</p>	<p>Information not provided.</p>				

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:**

Pre-Ship Payment for the portion of invoice pertaining to the category of Primary Antenna. See Call Sign Allocation 09192018.pdf

**Amount:**

\$70,200.00

**Component Description:**

Down Payment for the portion of invoice pertaining to the category of Primary Antenna.

**Amount:**

\$70,200.00

## Cost Information

### Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
<b>Interim Transmission Line</b>	<b>\$347,440.00</b>	<b>\$321,963.66</b>		<b>\$321,963.66</b>	
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.
<b>Primary Transmission Line</b>	<b>\$372,650.00</b>	<b>\$383,346.00</b>		<b>\$194,314.01</b>	
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
<b>Sub-total</b>	<b>\$720,090.00</b>	<b>\$705,309.66</b>	<b>N/A</b>	<b>\$516,277.67</b>	<b>N/A</b>
<b>Total for all systems</b>	<b>\$8,158,796.06</b>	<b>\$7,573,269.70</b>	<b>N/A</b>	<b>\$5,174,132.01</b>	<b>N/A</b>

## Components

Actual Information	Description	File Name
Rigid Transmission Line - copper, 6 1/8"	<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim Line.
	<b>Amount:</b>	\$7,631.43
	<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim Line.
	<b>Amount:</b>	\$85.40
	<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim Line that involves line sweep and tuning.
	<b>Amount:</b>	\$6,400.00
	<b>Component Description:</b>	Payment for the invoice pertaining to the category of Interim Line
	<b>Amount:</b>	\$7,819.14
	<b>Component Description:</b>	Pre-Ship Payment for the portion of invoice pertaining to the category of Interim Line. See Call Sign Allocation 09192018.pdf
	<b>Amount:</b>	\$136,212.26

<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Line. See Call Sign Allocation 09192018.pdf
<b>Amount:</b>	\$19,934.38

<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Interim Line. Quote, Letter included.
<b>Amount:</b>	\$7,668.79

<b>Component Description:</b>	Down Payment for the portion of invoice pertaining to the category of Interim Line.
<b>Amount:</b>	\$136,212.26

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Rigid Transmission Line -  
copper, 7 3/16"

**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

**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  
invoice pertaining  
to the category of  
Main Line.

**Amount:**

\$2,410.50

Cost  
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower 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	<i>\$30,524.00</i>	\$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	\$8,158,796.06	\$7,573,269.70	N/A	\$5,174,132.01	N/A



## Components

Actual Information	Description	File Name
Serious tower reinforcement /modifications	<b>Component Description:</b>	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
	<b>Amount:</b>	\$49,169.80
	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of Main Tower Modifications and Mobilization. See Call Sign Allocation1104018. pdf
	<b>Amount:</b>	\$40,400.00
	<b>Component Description:</b>	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".
	<b>Amount:</b>	\$6,584.00

	<p><b>Component Description:</b></p> <p>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</p> <p><b>Amount:</b></p> <p>\$49,169.80</p>
Additional Tower Engineering	<p><b>Component Description:</b></p> <p>Invoice pertaining to the category of Tower Mod Studies for difficult Tower.</p> <p><b>Amount:</b></p> <p>\$26,220.00</p>
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	<p><b>Component Description:</b></p> <p>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</p> <p><b>Amount:</b></p> <p>\$6,300.00</p> <p><b>Component Description:</b></p> <p>Invoice pertaining to the category of Tower Mapping. See also PO Upload and Call Sign Allocation 01252018.pdf</p> <p><b>Amount:</b></p> <p>\$13,440.00</p>
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 "&" symbol for 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
<b>Outside Professional Services</b>	<b>\$214,304.40</b>	<b>\$238,148.90</b>		<b>\$91,098.90</b>	
Interim Facility Engineering	<i>\$48,854.40</i>	\$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
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	N/A	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$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.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,700.00	Earlier price provided on 399 was just an estimate and after actual cost was increased.

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.
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
<b>Sub-total</b>	\$214,304.40	\$238,148.90	N/A	\$91,098.90	N/A
<b>Total for all systems</b>	\$8,158,796.06	\$7,573,269.70	N/A	\$5,174,132.01	N/A

## Components

Actual Information Description	File Name
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:**

\$3,600.00

**Component Description:**

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

**Amount:**

\$7,200.00

**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



	<p><b>Component Description:</b></p> <p>Invoice pertaining to the portion of design in the category of Interim Facility Engineering.</p> <p><b>Amount:</b></p> <p>\$33,600.00</p>
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 request for Special Temporary Authorization	<p><b>Component Description:</b></p> <p>Payment for the portion of invoice pertaining to the category of STA Prepare.</p> <p><b>Amount:</b></p> <p>\$4,950.00</p>
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

<p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p>	<table> <tr> <td data-bbox="699 100 1013 369"> <p><b>Component Description:</b></p> </td><td data-bbox="1013 100 1428 369"> <p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p> </td></tr> <tr> <td data-bbox="699 369 1013 481"> <p><b>Amount:</b></p> </td><td data-bbox="1013 369 1428 481"> <p>\$375.00</p> </td></tr> <tr> <td data-bbox="699 481 1013 750"> <p><b>Component Description:</b></p> </td><td data-bbox="1013 481 1428 750"> <p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p> </td></tr> <tr> <td data-bbox="699 750 1013 801"> <p><b>Amount:</b></p> </td><td data-bbox="1013 750 1428 801"> <p>\$2,325.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p>	<p><b>Amount:</b></p>	<p>\$375.00</p>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p>	<p><b>Amount:</b></p>	<p>\$2,325.00</p>				
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p>												
<p><b>Amount:</b></p>	<p>\$375.00</p>												
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of CP Prepare.</p>												
<p><b>Amount:</b></p>	<p>\$2,325.00</p>												
<p>Perform engineering study for new channel assignment and antenna development</p>	<table> <tr> <td data-bbox="699 801 1013 1131"> <p><b>Component Description:</b></p> </td><td data-bbox="1013 801 1428 1131"> <p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p> </td></tr> <tr> <td data-bbox="699 1131 1013 1243"> <p><b>Amount:</b></p> </td><td data-bbox="1013 1131 1428 1243"> <p>\$14,944.50</p> </td></tr> <tr> <td data-bbox="699 1243 1013 1579"> <p><b>Component Description:</b></p> </td><td data-bbox="1013 1243 1428 1579"> <p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p> </td></tr> <tr> <td data-bbox="699 1579 1013 1691"> <p><b>Amount:</b></p> </td><td data-bbox="1013 1579 1428 1691"> <p>\$975.00</p> </td></tr> <tr> <td data-bbox="699 1691 1013 1973"> <p><b>Component Description:</b></p> </td><td data-bbox="1013 1691 1428 1973"> <p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p> </td></tr> <tr> <td data-bbox="699 1973 1013 2121"> <p><b>Amount:</b></p> </td><td data-bbox="1013 1973 1428 2121"> <p>\$15,795.00</p> </td></tr> </table>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>	<p><b>Amount:</b></p>	<p>\$14,944.50</p>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>	<p><b>Amount:</b></p>	<p>\$975.00</p>	<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>	<p><b>Amount:</b></p>	<p>\$15,795.00</p>
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>												
<p><b>Amount:</b></p>	<p>\$14,944.50</p>												
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>												
<p><b>Amount:</b></p>	<p>\$975.00</p>												
<p><b>Component Description:</b></p>	<p>Payment for the portion of invoice pertaining to the category of new assignment engineering</p>												
<p><b>Amount:</b></p>	<p>\$15,795.00</p>												
<p>Address transition timing and coordination issues w/ other stations and wireless</p>	<p>Information not provided.</p>												

Prepare and or review reimbursement form	<table> <tr> <td data-bbox="707 174 1013 212"><b>Component Description:</b></td><td data-bbox="1145 174 1348 369">Payment for the portion of invoice pertaining to the category of 399 reimbursement.</td></tr> <tr> <td data-bbox="707 376 815 414"><b>Amount:</b></td><td data-bbox="1145 376 1265 414">\$1,605.00</td></tr> <tr> <td data-bbox="707 517 1013 555"><b>Component Description:</b></td><td data-bbox="1145 517 1348 712">Payment for the portion of invoice pertaining to the category of 399 reimbursement.</td></tr> <tr> <td data-bbox="707 719 815 757"><b>Amount:</b></td><td data-bbox="1145 719 1265 757">\$1,275.00</td></tr> </table>	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of 399 reimbursement.	<b>Amount:</b>	\$1,605.00	<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of 399 reimbursement.	<b>Amount:</b>	\$1,275.00
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of 399 reimbursement.								
<b>Amount:</b>	\$1,605.00								
<b>Component Description:</b>	Payment for the portion of invoice pertaining to the category of 399 reimbursement.								
<b>Amount:</b>	\$1,275.00								
Project management of the transition	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>\$790,586.65</b>	<b>\$790,021.65</b>		<b>\$111,000.19</b>	
Interim Tower Modifications	<i>\$150,000.00</i>	\$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	<i>\$31,388.00</i>	\$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 on 399 was just an estimate and after full installation the cost was increased.

Interim Tower and Ground Lease	<b>\$541,531.85</b>	\$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 price provided for 399 was just an estimate and after Legal process and full installation the cost will increase.
MVPD Notification of Channel Change	<b>\$2,500.00</b>	\$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	<b>\$2,500.00</b>	\$2,500.00	General Public information and channel change campaign including cost of production.	N/A	N/A
Equipment Storage	<b>\$9,983.56</b>	\$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	<b>\$28,103.24</b>	\$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.	\$27,480.30	Earlier price provided cost of 399 was just an estimate and after installation the cost will be increased cost to lead time with manufacturer and tower crew delays.
Disposal Costs (for equipment and other waste, net of any salvage value)	<b>\$4,000.00</b>	\$4,000.00	Cost of antenna and line removal from property for environmental disposal.	N/A	N/A
Local Zoning	<b>\$8,500.00</b>	\$8,500.00	Interim Building Permit and Zoning Permits for Wagoner County, Oklahoma	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,750.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A

FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
<b>Sub-total</b>	\$790,586.65	\$790,021.65	N/A	\$111,000.19	N/A
<b>Total for all systems</b>	\$8,158,796.06	\$7,573,269.70	N/A	\$5,174,132.01	N/A

## Components

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

Interim Tower Mapping and  
Studies

**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 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



Interim Tower and Ground Lease	<div> <b>Component Description:</b> <div> Payment for the portion of the invoice pertaining to the Interim Lease. See Call Sign Allocation 11042018 PO Invoice.pdf. </div> </div> <div> <b>Amount:</b> <div>\$541,531.85</div> </div>
MVPD Notification of Channel Change	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	<div> <b>Component Description:</b> <div> Payment for the invoice pertaining to the category of Storage. Main See Call Sign Allocation 11042018 PO Invoice.pdf. </div> </div> <div> <b>Amount:</b> <div>\$3,712.50</div> </div> <div> <b>Component Description:</b> <div> Payment for the invoice pertaining to the category of Storage. Interim See Call Sign Allocation 11042018 PO Invoice.pdf. </div> </div> <div> <b>Amount:</b> <div>\$3,673.39</div> </div>
Equipment Delivery and Handling Charges	

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
<b>Amount:</b>	\$3,860.34

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
<b>Amount:</b>	\$3,383.25

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges
<b>Amount:</b>	\$3,114.01

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges
<b>Amount:</b>	\$3,114.01

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges
<b>Amount:</b>	\$3,114.01

<b>Component Description:</b>	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.
<b>Amount:</b>	\$622.94

<b>Component Description:</b>	Payment pertaining to the category of Equipment Delivery & Handling Charges. See Call Sign Allocation 11262018.pdf
<b>Amount:</b>	\$3,114.01

	<div data-bbox="715 159 1374 546"> <p><b>Component Description:</b> Payment pertaining to the category of Equipment Delivery &amp; Handling Charges. See Call Sign Allocation 11262018.pdf</p> <p><b>Amount:</b> \$3,987.34</p> </div> <div data-bbox="715 658 1374 1046"> <p><b>Component Description:</b> Payment pertaining to the category of Equipment Delivery &amp; Handling Charges. See Call Sign Allocation 11262018.pdf</p> <p><b>Amount:</b> \$679.32</p> </div> <div data-bbox="715 1158 1366 1422"> <p><b>Component Description:</b> Payment pertaining to the category of Equipment Delivery &amp; Handling Charges</p> <p><b>Amount:</b> \$3,114.01</p> </div> <div data-bbox="715 1534 1374 1921"> <p><b>Component Description:</b> Payment pertaining to the category of Equipment Delivery &amp; Handling Charges. See Call Sign Allocation 11262018.pdf</p> <p><b>Amount:</b> \$1,764.72</p> </div>
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.

Local Zoning	Information not provided.
DTV Medical Facility Notification	<div> <div> <b>Component Description:</b> </div> <div> Payment for DTV Medical Notifications. See Call Sign Allocation 09192018.pdf </div> </div> <div> <div> <b>Amount:</b> </div> <div> \$3,750.00 </div> </div>
FCC Filing Fees - Form 2100 license to cover application	Information not provided.
FCC Filing Fees - Special Temporary Authorization request	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>	\$8,158,796.06	\$7,573,269.70
			\$5,174,132.01

<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>Darin Hall</b>  <i>Chief Engineer</i>    03/11/2019</p>

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

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

<p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p>	
<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p><b>Darin Hall</b>  <i>Chief  Engineer</i></p> <p>03/11/2019</p>

## Attachments