

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility 53116 Service: DTV Call WJXT Channel: 18 (UHF)

Sign:

File **0000027951** 

Number:

ID:

FRN: **0002161107** Date **02/15** 

Submitted: /2019

# Applicant Information

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

Applicant	Address	Phone	Email	Applicant Type
GRAHAM MEDIA GROUP, FLORIDA. INC. Doing Business As: GRAHAM MEDIA GROUP, FLORIDA. INC.	James Lowery 4 BROADCAST PLACE JACKSONVILLE, FL 32207 United States	+1 (904) 393- 9871	jlowery@wjxt. com	Corporation

# 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
William T Godfrey , Jr Consulting Engineers Kessler and Gehman Associates, Inc.	William T. Godfrey, Jr. Kessler and Gehman Associates, Inc. 507-D NW 60th Street Gainesville, FL 32607 United States	+1 (352) 332-3157	bill@kesslerandgehman. 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	Replace the transmitter, antenna and transmission line. Analyze and modify 222-F candelabra tower. WJXT tower at capacity. Operate interim facility at alternatesite. Share main antenna and transmission line with WCWJ.

#### **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 CD3200P2
	Year	2008
	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	THU9EVO- 36
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	55 kW
	Justification for New Transmitter	ERP: 550 kW RMS Gain: 18.8 Azimuth Gain: 1.38 TX Line Loss: 0.814 Mask Filter Loss: 0.931 Combiner Loss: 0.933 H-pol Only TPO: 30.0 kW (THU9EVO- 20) 1 Step Up: THU9EVO- 24 Upgrade: THU9EVO- 36

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	500.0 feet
	Other Electrical Service	Yes
	Description	Remove beam supplies and install new transformers.
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?	Yes
	Size	900.0 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

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

Name	Description
Electrical	Electrical for new WJXT Main Transmitter installation & operation
Switch	Switch to Combiner Interconnect 8-3/16" 75 ohm.
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch.
8-Pole Mask Filter	WJXT-D18 is located less than 1 km from WJAX-D19 (1st adjacent stations).

#### Interim Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Interim
	Description of Use	N/A
	Change Type	Purchase
	Manufacturer	
	Model	THU9EVO- 40
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	61 kW
	Justification for New Transmitter	No space on tower to support interim antenna. ERP: 976 kW. RMS Gain: 20.0 (multiplier) Azimuth Gain: 1.66 (multiplier) TX Line /Elbow Efficiency: 0.591 Mask Filter Efficiency: 0.931 H-pol only TPO: 53.4 kW Required: THU9EVO-36 Upgrade: THU9EVO-40

### Interim Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes
	Description	Additional services required to install new transmitter at alternate site (see attached quotes for monthly lease expenses; transmitter building costs; and electrical services costs).
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?	Yes

	Size	450.0 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?	No

#### Interim Transmitter

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

Name	Description
Back-up Generator	A temporary generator is required at the interim site while the main site is built-out.
Split Configuration	Transmitter split configuration kit to provide required space in in interim container. Cost is \$3,950.00. See Rohde & Schwarz quote.
Additional RF Components	Required to split cabinets in order to meet spacing requirements in transmitter building.

#### **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?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Top 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)	976.0 kW

Manufacturer	
Model	TFU- 30GTH 06
Year	2008

#### 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?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Top Mount
	Antenna position in stack	Тор
	Polarization	Elliptical
	Туре	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	24
	Lower Limit	497.00 MHz
	Upper Limit	509.00 MHz
	Design power capacity in use	40.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	670.0 kW
	Manufacturer	
	Model	TFU-24GTH /VP-R TC O6SP

Year	2018
Justification for New Antenna	Existing main antenna is a top-mount
	(candelabra) slot which cannot
	accommodate the post-
	auction channel. The
	proposed antenna is a
	broadband slot that will be shared
	with the
	"unable to construct"
	post-auction facility;
	therefore, no upgrade
	costs.

#### Primary Antenna

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Broadband

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

# Enter a list of RF channel numbers.

RF Channel Number	
18	
20	

### Primary Antenna

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

Name	Description
Extension Pole	MOUNTING POLE FOR TOP MOUNTING ANTENNA IN ORDER TO MAINTAIN FAA HEIGHT.
Shipping	Shipping costs: \$9,800
Antenna adapter	ANTENNA WEDDING CAKE MOUNTING ADAPTER.

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	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?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Broadband Slot
	Number of Stations Supported	1
	Number of Panels/Bays	24
	Lower Limit	638.00 MHz
	Upper Limit	644.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	976.0 kW
	Manufacturer	
	Model	TFU-24WB C160
	Year	2018

Justification for New Antenna	An interim
	antenna is
	necessary
	to keep
	station on
	air during
	primary
	antenna
	replacement
	& for
	duration of
	assigned
	phase.
	Interim
	facility will
	be located
	at an
	alternate
	site. The
	TFU-24WB
	cost is
	equivalent
	to a single-
	channel
	interim
	antenna.

#### **Other Antenna Costs**

Section	Question Response		
Elbow Complex	Do you require the separate purchase of Yes the Elbow Complex?		
	Broadband or Single Channel?	В	
	Feed Line Size	7 3/16 inches	
Side Mount Brackets	Do you require the separate purchase of Side mount brackets for an antenna?		
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No	
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes	

#### **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	Purchase New
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna Manufacturer and Type	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	2
	Number of Panels/Bays	8
	Lower Limit	195.00 MHz
	Upper Limit	213.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	82.8 kW

Manufacturer	
Model	TLSV-8BB
Year	2018
Justification for New Antenna	The WTLV and WJXX VHF stations share an antenna on the candelabra and require an interim antenna during the WJXT /WCWJ repack in order to remain on the air as required in the lease agreement. The ERP above combines ERPs for WTLV /WJXX since shared.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	2
	Frequencies of channels supported	RF channel

	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	No
	Broadband or Single Channel?	N/A
	Feed Line Size	N/A
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

# Enter a list of RF channel numbers.

RF Channel Number	
10	
13	

#### Interim Antenna

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

Name	Description
Additional Parts	Additional Installation Parts Inside Transmitter Building to Complete Antenna System

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

# Primary Transmission Line

#### **Existing Transmission Line**

n 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 the existing transmission line shared with another station or stations?	No	
	Is Transmission Line in operating condition?	Yes	
Existing Transmission	Manufacturer		
Line Manufacturer and Type	Туре	Rigid	
	Diameter	6 1/8 inches	
	Other Diameter	N/A	
	Segment Length	19 1/2 inches	
	Other Segment Length	N/A	
	Number of parallel runs	1	
	Length	1155 feet per run	

# Primary New Transmission Line

Transmission

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?	Yes
	Туре	Rigid
	Diameter	8 3/16 inches
	Other Diameter	N/A
	Segment Length	Broadband
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	1155 feet per run

Justification	for	Now	Tranami	iooion	lina
JUSTITICATION	tor	ivew	ı ransmı	ISSION	Line

The power rating for 7-3/16" line is not capable of handling the power required for WJXT and WCWJ shared operation. The line is considered an upgrade; however, it will result in an overall system savings since WCWJ and WJXT stations will share the costs.

Other Transmission Line Expenses Not Listed **Primary** 

Transmission loine tion not provided.

#### **New Transmission Line**

Interim
<b>Transmis</b>

on Line Settion	Question	Response
New Transmission Line Costs	Use	Interim
	Description of Use	N/A
	Change Type	Purchase New
	Туре	Rigid
	Diameter	4 1/16 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	775 feet per run
	Justification for New Transmission Line	New broadband 4-1/16" rigid line is needed in order for the WJXX and WTLV full-service VHF facilities to operate as interim facilities during the repack build-out. This is a contractual obligation.

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

## Interim

#### **New Transmission Line**

Transmission	n de Line Section	Question	Response
,	New Transmission Line Costs	Use	Interim
		Description of Use	N/A
		Change Type	Purchase New
		Туре	Rigid
		Diameter	7 3/16 inches
		Segment Length	Broadband
		Other Segment Length	
		Number of parallel runs	1
		Length	1075 feet per run
		Justification for New Transmission Line	An interim transmission line is necessary to keep the pre-auction station on the air during the primary antenna replacement and for the duration of the assigned phase. The Interim facility must be at an alternate site since the WJXT tower is fully loaded.

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

## Auxiliary Tower

#### **Add Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Auxiliary (Backup)
	Description of Use	Interim Tower (InSite)
	Ownership	Leased
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	No
	One or more FM, AM or TV radio broadcaster(s)	N/A
	Others Types of Users	N/A
	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	1016457
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	30° 16' 36.0" N-
	Longitude (NAD83)	081° 33' 57.0" W-
	Overall Structure Height	1001.63 feet
	Support Structure Height	950.78 feet

Ground Elevation Above Mean Sea Level (AMSL)	25.92 feet
Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	IWG Towers Assets II, LLC
Date Constructed	07/01/1988

### Auxiliary Tower

#### **Tower Modification Costs**

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

## Auxiliary Tower

#### **Tower Rigging Costs**

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

### Auxiliary Tower

#### Other Tower Expenses Not Listed

Name	Description	
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Remove Interim Equipment	Interim tower must be rigged a second time after assigned phase is complete to have the interim antenna, interim line, STL dish and waveguide removed from tower and disposed.
Interim Tower Lease	Monthly lease expenses at alternate site (InSite Tower) to support the side-mount interim antenna, TX line and STL for up to 6 months (see attached quote).
Lead Based Paint Services	Professional LBP Services are required before tower modifications are permitted.

# 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	Owned
	Is this tower consider Complex?	Candelabra
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	No
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	No
	ASR Number	
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	30° 16' 25.0" N-
	Longitude (NAD83)	081° 33' 12.0" W-
	Overall Structure Height	303.70 feet
	Support Structure Height	268.90 feet
	Ground Elevation Above Mean Sea Level (AMSL)	15.20 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

Tower Owner	First Coast Tower Group
Date Constructed	01/01/1985

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
11893	WJXX	DTV
65046	WTLV	DTV

#### **Other Types of Users**

Users	
Two-way users	

#### 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:	Major Reinforcements needed

#### Primary Tower

#### **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Candelabra

Helicopter Services	Are helicopter services required?	Yes
Required		

### Primary Tower

## Other Tower Expenses Not Listed

Name	Description
Helicopter Site Staging Requirement	Erickson Incorporated requires a 200 x 200 ft staging area for the helicopter lift. See attached quote to clear the site.
Existing Tower	ASR is 1017604. The tower owner name was flagged by this application when it prefilled so we had to manually enter. FAA & ASR required as a result of changing the top-mount antenna.
Foundation Expansion	Geotechnical findings indicate existing foundation loading design is not adequate to support the post-transition loads.

Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	850
	Explanation	It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes

	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction Permit Application	Yes
Services	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	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	Yes

Number of Days	45
Justification	It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services.

#### Outside Professional

# Other Professional Services Expenses Not Listed

Services Costs	Description
Intermod Study at Interim Site	Tower owner requires an intermod study (see attached quote from InSite Towers, LLC)
Osborn Engineering Examination of Interim Site	Professional Services - review existing drawings, design interim transmitter building, prepare conceptual site plan layout, prepare construction documents, provide construction administration services (shared cost with WCWJ).
Other Legal Services	Other Legal Services related to the DTV Repack
Topographic Survey	Required for new interim transmitter building container (shared cost with WCWJ).
Environmental Impact Study	Study conducted due to presence of visible mold in existing interim building. Building determined to be uninhabitable (shared cost with WCWJ).

Geotechnical Report	Required for new interim transmitter building container (shared cost with WCWJ).
Osborn Engineering Main Transmitter Facility	Professional Services - main transmitter facility site assessment consisting of on-site laser scanning of both the interior and exterior of the WJXT main transmitter facility (shared costs with WCWJ).
Other Engineering Services	Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 850 hrs (\$127,500 at \$150/hr), & a new OES category has been created & funded with the money removed from PM.

# 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	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	No
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	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
STL System	Microwave dish required for interim studio to transmitter link (STL) to be operated up to 6 months. Receiver, waveguide, licensing, etc. required for interim STL. See attached STL quotes.
Sales Tax	Sales Tax

## **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 THU9EVO-40	\$2,597,875.32	\$2,155,977.91		\$1,963,152.91	
Additional RF Components	\$14,239.56	\$14,239.56	RF Components for 2+2 cabinets to meet space requirements in interim transmitter container (building). See Rohde & Schwarz quotes for WJXT interim transmitter.	\$14,239.56	N/A
Split Configuration	\$71,515.29	\$71,515.29	See Rohde & Schwarz Quote No. 802-053514.0 and Invoice No. 9500094107	\$71,515.29	N/A

Back-up	\$59,530.00	\$59,530.00	Back-up Gen	\$59,530.00	N/A
Generator			is shared at		
			interim site.		
			Cost of back-		
			up generator		
			is \$100,750		
			(\$95,000 Gen		
			+ \$5,750		
			Freight);		
			however,		
			shared cost is		
			\$50,375 (see		
			Diesel Service		
			& Supply		
			Quote No.		
			21294). Plus		
			\$9,155 Elec		
			(Quote		
			#116131.0)		
			which equates		
			to \$59,530.		
Other	\$414,101.47	\$414,101.47	***System	\$414,101.47	N/A
Building			Notice:		
Addition			Estimate		
Size: 450.0			adjusted and		
			locked		
			because line		
			has been		
			superseded.		
			***Attached		
			quotes equate		
			to		
			\$433,897.47		
			(\$65,585/2 +		
			\$13,800/2 +		
			\$64,347/2 +		
			93,024/2 +		
			315,519.47).		
			Item 2.1 in		
			Quote		
			136511.3 is		
			for Tegna		
			Interim		
			Reconfigure		
			as part of		
			FCC-		
			approved		
			contractual		
			obligation.		
			UNIIMATIAN		

10 Ton system	\$38,900.00	\$36,935.00	N/A	\$0.00	N/A
Other	\$124,989.00	\$124,989.00	Diamond	\$124,989.00	N/A
Electrical	ψ := 1,000100	<b>4</b> 1 = 1,000100	Electric	<b>*</b> := :,••••	
Service:			services was		
Additional			retained by		
services			Dermac		
required to			Group in		
install new			order to to		
transmitter			provide		
at alternate			required		
site (see			service to		
attached			new interim		
quotes for			building		
monthly			(container).		
lease			Dermac		
expenses;			Group is a		
transmitter			sub for Rohde		
building			& Schwarz		
costs; and			See attached		
electrical			Quote (Quote		
services			Number:		
costs).			116131.0)		
Transformer	\$48,400.00	\$7,859.50	See Item	\$5,559.50	N/A
3 phase			1.2.1 in		
/480v - 500			attached		
KVA			Rohde &		
			Schwarz		
			Quote		
			Number 802-		
			053514.0.		

UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,397,108.09	\$1,195,300 (Quote #802- 047525.2) + \$73,518.09 (Tax) + \$107,100 (Quote #107788.0 RF System - waiting on an invoice) + \$31,190 (See Item 1.5 in attached R&S Quote #802- 053514.0 - waiting on invoice) - \$10,000 (Upgrade) equates to \$1,397,108.09.	\$1,243,518.09	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$29,700.00	See Rohde & Schwarz Quote Number 116131.0	\$29,700.00	N/A
Primary Transmitter THU9EVO-36	\$3,909,600.00	\$2,633,366.05		\$1,755,016.05	
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$993,139.40	Quote: 975,000 Upgrade: 40,000 Tax: \$58,139.40 Total: \$993,139.40	\$993,139.40	N/A
8-Pole Mask Filter	\$99,700.00	\$99,700.00	8-pol mask filter required due to 1st- adjacent station issue. See attached Rohde & Schwarz quote.	N/A	N/A

Standby Exciter and Switch	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Switch	\$30,000.00	\$30,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$995,626.65	***System Notice: Estimate adjusted and locked because line has been superseded.  ***See attached Rohde & Schwarz quote (Quote Number 802- 044377.3) and attached Invoice for Taxes (Invoice Number 9500092010). \$935,000.00 for transmitter + \$60,626.65 for Taxes = \$995,626.65.	\$761,876.65	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$37,150.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$35,850.00	See attached Rohde & Schwarz quote.	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$26,000.00	\$25,000.00	N/A	N/A	N/A

Other Electrical Service: Remove beam supplies and install new transformers.	\$25,000.00	\$25,000.00	N/A	N/A	N/A
10 Ton system	\$38,900.00	\$37,900.00	N/A	N/A	N/A
Other Building Addition Size: 900.0	\$50,000.00	\$50,000.00	Shared with WCWJ - waiting on quotes	N/A	N/A
Electrical	\$279,000.00	\$279,000.00	See attached Rohde & Schwarz Quote (Quote No. 155472.0)	N/A	N/A
Sub-total	\$6,507,475.32	\$4,789,343.96	N/A	\$3,718,168.96	N/A
Total for all systems	\$10,602,738.05	\$7,649,091.90	N/A	\$5,331,984.52	N/A

### Components

Actual Information Description	File Name	
Additional RF Components		
	Component Description:	WJXT R&S inv
		#9500083874
		Interim Elbow
		UL20180809jgv1
	Amount:	\$14,239.56

	1	
Split Configuration		
	Component Description:	WJXT Interim
		Transmitter Split
		Companyation and
		Components Payment (Quote &
		Invoices)
	Amount:	\$71,515.29
	7.4.1.5	¥, 5
Back-up Generator		
	Component Description:	Diesel Serv-Supp
		inv #110000051
		Backup Generator
		UL20180905jgv1
		50% to WJXT 50%
		to WCWJ
	Amount:	\$50,375.00
	Component Description:	WJXT R&S inv
		#9500083892 Interim Electrical
		temporary
		generator
		UL20180807jgv1
	Amount:	\$9,155.00
Other Building Addition		
Size: 450.0	Component Description:	Osborn inv #27953
		Interim TX Facility
		prof srvcs
		UL20190214jgv1
	Amount:	\$6,558.50
	Component Descriptions	Och : "00001
	Component Description:	Osborn inv #29391
		Interim TX Facility
		prof srvcs
		LIL 20100214iav1
	Amount:	UL20190214jgv1 \$10,089.27

Component Description: WJXT Interim

Container Scherer
Construction 90%

Invoice (Shared)

Amount:

\$46,512.00

Component Description: Osborn inv #29010

Interim TX Facility

prof srvcs

UL20190214jgv1

**Amount:** \$6,897.24

Component Description:

WJXT Interim Site

**Build-out** 

/Construction (see attached Rohde & Schwarz quote

/invoice)

**Amount:** \$315,519.47

Component Description: WJXT INT

Container Scherer Construction Final 10% plus Change Order Invoice

(Shared)

**Amount:** \$12,377.50

Component Description: Osborn inv #28314

Prof srvcs 180224 -

180330

UL20190211jgv2

**Amount:** \$9,247.49

Component Description: Osborn inv #30282

Interim TX Facility

prof srvcs

UL20190214jgv1

**Amount:** \$6,900.00

10 Ton system		
	Component Description:	WJXT Interim
	Component Description.	HVAC Electrical
		Installation (see
		•
		attached quote and
		invoice from Rohde
		& Schwarz)
	Amount:	\$36,935.00
Other Electrical Service:		
Additional services	Component Description:	WJXT R&S inv
required to install new	Component Description.	#9500083892
transmitter at alternate site		
(see attached quotes for		Interim Electrical
monthly lease expenses;		installation
transmitter building costs;		UL20180807jgv1
and electrical services costs).	Amount:	\$78,570.00
,		
	Component Description:	HVAC Electrical
		work required for
		WJXT Interim
		Facility. See
		attached quote and
		invoice.
	Amount:	\$36,935.00
	Component Description:	WJXT R&S inv
		#9500083846
		Interim Main Panel
		UL20180807jgv1
	Amount:	\$9,484.00
Transformer 2 phage/490v		
Hansionner 3 phase/400V		
	Component Description:	Coffman Elec inv
	Component Description:	Coffman Elec inv #131850E
	Component Description:	#131850E
	Component Description:	#131850E Automatic Transfer
	Component Description:	#131850E Automatic Transfer Switch
	Component Description:	#131850E Automatic Transfer Switch UL20180905jgv1
	Component Description:	#131850E Automatic Transfer Switch UL20180905jgv1 50% to WJXT 50%
Transformer 3 phase/480v - 500 KVA	Component Description:  Amount:	#131850E Automatic Transfer Switch UL20180905jgv1

State Transmitter 52 - 61	Component Descriptions	WJXT-DT Channel
ΚW	Component Description:	42 Interim
		Transmitter (Initial
		25% Payment). See
		attached Cover
		Letter with Rohde &
		Schwarz Invoice
		and Quote.
	Amount:	\$320,000.00
	Component Description:	WJXT Interim
		Transmitter (NET
		30 Payment)
	Amount:	\$923,518.09
Switchgear - industrial 800		
amp	Component Description:	WJXT R&S inv
		#9500083892
		Interim Electrical
		switchgear
		UL20180807jgv1
	Amount:	\$29,700.00

	MANTELLI
Component Description:	WJXT Florida Sal
	Tax (Main
	Transmitter)
	Payment (Rohde
	Schwarz Quote &
	Invoices)
Amount:	\$58,139.40
Component Description:	WJXT (Main)
	Transmitter Final
	25% Payment
	(Rohde & Schwar
	Quote & Invoices)
Amount:	\$233,750.00
<b>Component Description:</b>	WJXT (Main)
	Transmitter 50%
	Down Payment
	(Rohde & Schwar
	Quote & Invoices)
Amount:	\$467,500.00
Component Description:	WJXT (Main)
	Transmitter Initial
	25% Down
	25% Down Payment (Rohde
	25% Down Payment (Rohde & Schwarz Quote &
	25% Down Payment (Rohde & Schwarz Quote & Invoices)
Amount:	25% Down Payment (Rohde & Schwarz Quote &
Amount:  Information not provided.	25% Down Payment (Rohde & Schwarz Quote & Invoices)
	25% Down Payment (Rohde & Schwarz Quote & Invoices)
	Component Description:

State Transmitter 35 - 50 kW	Component Description:	R&S inv #9500076213 Main
		TX UL20181113jgv1
	Amount:	\$233,750.00
	Component Description:	Florida Tax Reimbursement for WJXT Main
	Amount:	Transmitter \$60,626.65
	Component Description:	25% Final
		Reimbursement Payment for WJXT Main Transmitter
		minus \$40,000 upgrade cost.
	Amount:	\$233,750.00
	Component Description:	50% Reimbursement Payment for WJXT
		Main Transmitter minus \$40,000
	Amount:	Main Transmitter minus \$40,000 upgrade cost. \$467,500.00
•	Amount:  Information not provided.	minus \$40,000 upgrade cost.
Switchgear - industrial 800 amp Transformer 3 phase/480v - 300 KVA		minus \$40,000 upgrade cost.
Transformer 3 phase/480v - 300 KVA 3" Rigid Conduit and	Information not provided.	minus \$40,000 upgrade cost.
amp Transformer 3 phase/480v	Information not provided.  Information not provided.	minus \$40,000 upgrade cost.

Other Building Addition Size: 900.0	Information not provided.
Electrical	Information not provided.

## **Cost Information**

#### **Antennas**

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

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Interim Antenna TFU-24WB C160	\$207,210.00	\$199,664.00		\$199,664.00	
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	\$16,850.00	\$15,264.00	See attached Dielectric Quote	\$15,264.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 976 kW input, directional,, elliptically or circularly polarized	\$160,480.00	\$160,480.00	See attached Dielectric Quote Number 700143CMZ-7 and Invoices. Shipping was removed from 399 as a standalone component since it is included in Dielectric Invoice Number 209020.	\$160,480.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See Dielectric Invoice 213001 and Quote 700143CMZ-7	\$6,400.00	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$17,520.00	See attached Dielectric Quote 700143CMZ- 7. Scatter study removed from 399 as a standalone component	\$17,520.00	N/#
			since it is included in Line 3 of Quote 700143CMZ- 7.		
Interim Antenna TLSV-8BB	\$200,015.36	\$126,128.12		\$120,330.62	
Additional Parts	\$16,850.36	\$16,850.36	See attached Rohde & Schwarz Quote No. 117708.2 and Invoice No. 9500086410 for additional parts needed inside transmitter room in order to connect horizontal run of transmission line to existing RF System.	\$16,850.36	N/A
Pattern scatter analysis for side mount high/med power antennas (if not	\$5,260.00	\$2,700.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached	\$2,700.00	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$5,760.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached Dielectric Quote.	\$5,760.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$30,592.76	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. Also see attached Dielectric Quote 700521CMZ-2 and Rohde & Schwarz Quote 117708.2.	\$30,592.76	Error message indicates that Sub- total is greater than Estimated Cost; however, that is not correct. The Sub- total equals the Estimated Cost exactly.
Sweep test of existing antenna	\$6,730.00	\$6,400.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna.	\$6,400.00	N/A

UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 83 kW input, directional,, horizontally polarized	\$63,825.00	\$63,825.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached Dielectric Quote 700521CMZ-2 and ERI Change Orders 36156 & 36156B.	\$58,027.50	N/A
Primary Antenna TFU-24GTH /VP-R TC O6SP	\$358,849.49	\$305,991.10		\$292,957.63	
Antenna adapter	\$19,252.00	\$19,252.00	\$21,472 (Line 2 Quote 700142CMZ- 1) and \$17,032.00 (Line 29 Confirmation Order). Sum is \$38,504 and 50/50 Shared amount is \$19,252.	\$19,252.00	N/A
Shipping	\$13,033.47	\$13,033.47	Freight Cost: \$26,066.94; however, it is shared cost with WCWJ therefore, cost for WJXT is	N/A	N/A

Extension Pole	\$55,437.52	\$55,437.52	Cost: \$152,630 (Line 3 Quote 700142CMZ- 1) decreased to \$93,759.00 (Line 4 Confirmation Order) since pole was reduced from 37 ft to 12.5 ft. Therefore, shared cost is \$46,897.50.	\$55,437.52	N/A
UHF - High Power Top Mount Two Station antenna elliptically or circularly polarized	\$161,246.50	\$161,246.50	Cost: \$350,093 (Quote 700142CMZ- 1). Subtract \$27,600 Vpol (non- reimbursable) which equates to \$322,493.00. Shared 50/50 cost equates to \$161,246.50.	\$161,246.50	N/A
Sweep test of existing antenna	\$6,730.00	\$3,200.00	Shared expense with WCWJ	\$3,200.00	N/A

\$84,200.00	\$44,941.61	Total Cost of Main	\$44,941.61	N/A
		Combiner:		
		Shared Cost		
		of Main		
		Combiner:		
		\$42,300.00		
		Shared Cost		
		of Tax:		
		2,641.61		
		Shared		
		expense		
		between		
		WJXT and		
		WCWJ Main		
		Facilities. See		
		Rohde &		
		Schwarz		
		Quote Number		
		107818.2		
\$18,950.00	\$8,880.00	Cost: \$17,760;	\$8,880.00	N/A
		however, it is		
		shared cost		
		with WCWJ,		
		therefore, cost		
		for WJXT is		
		\$8,880. See		
		attached		
		Dielectric		
		Quote.		
\$766,074.85	\$631,783.22	N/A	\$612,952.25	N/A
\$10,602,738.05	\$7,649,091.90	N/A	\$5,331,984.52	N/A
	\$18,950.00	\$18,950.00 \$8,880.00 \$766,074.85 \$631,783.22	Main Combiner: \$84,600.00 Shared Cost of Main Combiner: \$42,300.00 Shared Cost of Tax: 2,641.61 Shared expense between WJXT and WCWJ Main Facilities. See Rohde & Schwarz Quote Number 107818.2  \$18,950.00 \$8,880.00 Cost: \$17,760; however, it is shared cost with WCWJ, therefore, cost for WJXT is \$8,880. See attached Dielectric Quote.	Main Combiner: \$84,600.00 Shared Cost of Main Combiner: \$42,300.00 Shared Cost of Tax: 2,641.61 Shared expense between WJXT and WCWJ Main Facilities. See Rohde & Schwarz Quote Number 107818.2  \$18,950.00 \$8,880.00 Cost: \$17,760; however, it is shared cost with WCWJ, therefore, cost for WJXT is \$8,880. See attached Dielectric Quote.  \$766,074.85 \$631,783.22 N/A \$612,952.25

### Components

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

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

Component Description: Inv MAN00267

WJXT Interim elbow complex 45% down

payment

UL20180503jgv1

**Amount:** \$6,868.80

Component Description: WJXT Interim

Antenna (Second 45% Payment)

**Amount:** \$6,868.80

Component Description: Final 10% Payment

for WJXT Interim
Elbow Complex

**Amount:** \$1,526.40

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 976 kW input, directional,, elliptically or circularly polarized

Amount:

Component Description: WJXT Interim

Antenna (Second 45% Payment) \$72,216.00

Component Description: Inv MAN00267

WJXT Interim TX ant 45% down payment

UL20180503jgv1

**Amount:** \$72,216.00

Component Description: WJXT Interim

Antenna Final 10% Payment (Quote &

Invoices)

**Amount:** \$16,048.00

Sweep test of existing antenna		
	Component Description:	Inv MAN00267 WJXT Interim
		sweep 45% down
		payment UL20180503jgv1
	Amount:	\$2,880.00
	Component Description:	WJXT (Interim)
		Repack Sweep Final 10% Payment
		(Quote & Invoices)
	Amount:	\$640.00
	Component Description:	WJXT Interim
		Antenna (Second
	Amount:	45% Payment) \$2,880.00
		· ,
Side mount brackets for high power antennas (if		
not included in antenna	Component Description:	WJXT (Interim) Side-Mount
base cost)		Brackets Final 10%
		Payment (Quote &
	Amount:	Invoices) \$1,752.00
	Component Description:	Inv MAN00267
		WJXT Interim TX antenna mount 45%
		down payment
		UL20180503jgv1
	Amount:	\$7,884.00
	Component Description:	WJXT Interim
	Component Description.	Antenna (Second
	Amazunt	45% Payment)
	Amount:	\$7,884.00

Additional Parts  Component Description:  WJXT Main (TEGNA) Additional Parts (NET30 Payment)  Amount:  \$16,850.36   Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  \$1,215.00  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)  Amount:  \$270.00			
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1 Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  Scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	Additional Parts		
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1 Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)		<b>Component Description:</b>	WJXT Main
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Stater analysis 45 percent pmt 2 UL20180613jgv1  Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			(TEGNA) Additional
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1 Amount:  S1,215.00  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			Parts (NET30
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1 Amount:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			Payment)
side mount high/med power antennas (if not included in antenna base cost)  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1 Amount:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)		Amount:	\$16,850.36
power antennas (if not included in antenna base cost)  Component Description:  Inv MAN00318 WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  Inv MAN00319 WJXT Int WJXX WTLV pattern Scatter analysis 45 Percent pmt 2 UL20180613jgv1  Amount:  Scatter analysis 45 Percent pmt 2 UL20180613jgv1  Amount:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	Pattern scatter analysis for		
power antennas (if not included in antenna base cost)  WJXT Int WJXX WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	side mount high/med	Component Description:	Inv MAN00318
included in antenna base cost)  WTLV patter scatter analysis 45 percent pmt 1 UL20180613jgv1  Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	power antennas (if not	Component Description.	
analysis 45 percent pmt 1 UL20180613jgv1  Amount: \$1,215.00  Component Description: Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	included in antenna base		
Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1  Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)	cost)		
Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			
Amount:  Component Description:  Inv MAN00319 WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount:  \$1,215.00  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			•
WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)		Amount:	· -
WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			
WJXT Int WJXX WTLV pattern scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)		Component Description:	Inv MAN00319
scatter analysis 45 percent pmt 2 UL20180613jgv1 Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)		·	WJXT Int WJXX
percent pmt 2 UL20180613jgv1  Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			WTLV pattern
Amount:  Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			scatter analysis 45
Amount: \$1,215.00  Component Description: TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			percent pmt 2
Component Description:  TEGNA (Interim) Scatter Study Final 10% Payment (Quote & Invoices)			UL20180613jgv1
Scatter Study Final 10% Payment (Quote & Invoices)		Amount:	\$1,215.00
Scatter Study Final 10% Payment (Quote & Invoices)			
10% Payment (Quote & Invoices)		Component Description:	
(Quote & Invoices)			
<b>Amount:</b> \$270.00			
		Amount:	\$270.00

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

Component Description: Inv MAN00319

WJXT Int WJXX WTLV side brckts 45 percent pmt 2 UL20180613jgv1

**Amount:** \$2,592.00

Component Description: TEGNA (Interim)

Side-Mount

Brackets Final 10% Payment (Quote &

Invoices)

**Amount:** \$576.00

Component Description: Inv MAN00318

WJXT Int WJXX WTLV side brckts 45 percent pmt 1 UL20180613jgv1

**.**. -.. ..

**Amount:** \$2,592.00

New combiner, cost per channel (without antenna)

Component Description: TEGNA (Interim)

RF Switch Final 10% Payment (Quote & Invoices)

**Amount:** \$1,374.24

Component Description: Inv MAN00318

WJXT Int WJXX WTLV switch 45 percent pmt 1 UL20180613jgv1

**Amount:** \$6,184.08

Component Description: R&S inv

#9500085393 VHF interim install UL20181113jgv1 ...

Contractual

Agreement between Graham (licensee)

& Tegna

**Amount:** \$16,850.36

Component Description: Inv MAN00319

WJXT Int WJXX WTLV switch 45 percent pmt 2 UL20180613jgv1

**Amount:** \$6,184.08

Sweep test of existing	
antenna	

Component Description: Inv MAN00318

WJXT Int WJXX WTLV sweep 45 percent pmt 1 UL20180613jgv1

**Amount:** \$2,880.00

Component Description: TEGNA (Interim)

Repack Sweep Final 10% Payment (Quote & Invoices)

**Amount:** \$640.00

Component Description: Inv MAN00319

WJXT Int WJXX WTLV sweep 45 percent pmt 2 UL20180613jgv1

**Amount:** \$2,880.00

UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 83 kW input, directional,, horizontally polarized

Component Description: TEGNA (Interim)

Antenna Final 10% Payment (Quote &

Invoices)

**Amount:** \$5,797.50

Component Description: Inv MAN00318

WJXT Int WJXX WTLV ant 45 percent pmt 1 UL20180613jgv1

**Amount:** \$26,088.75

**Component Description:** Inv MAN00319

WJXT Int WJXX WTLV ant 45 percent pmt 2 UL20180613jgv1

**Amount:** \$26,088.75

Component Description: ERI inv #WJXT-005

Antenna removal UL20181109jgv1

**Amount:** \$5,850.00

ntenna adapter		
	Component Description:	Inv MAN00214
		WCWJ WJXT
		Primary ant adapter
		UL20180718jgv2
	Amount:	\$4,831.20
		D: : //MANAGOGG
	Component Description:	Die inv #MAN00299
		Primary ant adapter
	Amount:	UL20181106jgv1
	Amount:	\$3,832.20
	Component Description:	WJXT Primary
		Antenna Adapter -
		Wedding Cake #1
		(Shared) Final 10%
		Payment (Quote &
		Invoices)
	Amount:	\$1,073.60
	Component Description	WIVT Primary
	Component Description:	WJXT Primary Antenna Adapter -
		Wedding Cake #2
		(Shared) Final 10%
		Payment (Quote &
		Invoices)
	Amount:	\$4,683.80
	7	<b>\$ 1,000.00</b>
	Component Description:	Die inv #MAN00299
		Primary ant adapter
		UL20181106jgv1
	Amount:	\$4,831.20

Extension Pole		
	Component Description:	Die inv #MAN00299 Prim ant ext pole
		UL20181106jgv1
	Amount:	\$21,095.77
	Component Description:	Inv MAN00214
	Component Seconducin	WCWJ WJXT Prim
		ant ext pole
		UL20180718jgv2
	Amount:	\$34,341.75
UHF - High Power Top		
Mount Two Station	Component Description:	Die inv #MAN00299
antenna elliptically or	- Component 2000 phone	Primary antenna
circularly polarized		UL20181106jgv1
	Amount:	\$72,560.92
	Component Description	Inv MANIOO244
	Component Description:	Inv MAN00214 WCWJ WJXT
		Primary antenna
		UL20180718jgv2
	Amount:	\$72,560.93
	Component Description:	WJXT Primary
		Antenna (Shared) Final 10% Payment
		(Quote & Invoices)
		(Quoto a IIIvoloco)

Sweep test of existing antenna		B
	Component Description:	Die inv #MAN00299
		Sweep UL20181106jgv1
	Amount:	\$1,440.00
	Amount.	Ψ1,++0.50
	Component Description:	Inv MAN00214
		WCWJ WJXT
		Sweep
		UL20180718jgv2
	Amount:	\$1,440.00
	Component Description:	WJXT (Main)
	Component Decemporari	Repack Sweep
		(Shared) Final 10%
		Payment (Quote &
		Invoices)
	Amount:	\$320.00
New combiner, cost per		
channel (without antenna)	Component Description:	WJXT Main
		Combiner (Shared)
		Payment (Quote &
		Invoices)
	Amount:	\$44,941.61

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)

Component Description: WJXT (Main) Elbow

Complex (Shared)
Final 10% Payment
(Quote & Invoices)

**Amount:** \$888.00

Component Description: Die inv #MAN00299

Elbow complex UL20181106jgv1

**Amount:** \$3,996.00

Component Description: Inv MAN00214

WCWJ WJXT Elbow complex UL20180718jgv2

**Amount:** \$3,996.00

## **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	\$126,325.00	\$94,371.75		\$92,049.85	
Rigid Transmission Line - copper, 4 1 /16" broadband	\$126,325.00	\$94,371.75	See Dielectric quote for WJXX and WTLV combined interim facilities.	\$92,049.85	N/A
Interim Transmission Line	\$357,975.00	\$221,544.06		\$221,544.53	
Rigid Transmission Line - copper, 7 3 /16" broadband	\$357,975.00	\$221,544.06	See Dielectric quote for WJXT interim facility	\$221,544.53	The WJXT Interim Antenna /Line (Second 45% Payment) request should be for \$93,287.03 instead of \$93,287.50. Therefore, the \$0.47 overage variation can be corrected when this component is unlocked.

Primary Transmission Line	\$460,845.00	\$149,372.70		\$149,372.70	
Rigid	\$460,845.00	\$149,372.70	See	\$149,372.70	N/A
Transmission			attached		
Line -			Dielectric		
copper, 83			Quote and		
/16"			Confirmation		
broadband			Order. Total		
			TX Line		
			Cost:		
			\$280,395.40.		
			Total Shared		
			Cost:		
			\$140,197.70		
			Total Feed-		
			Thru Cost:		
			\$18,350.00		
			Total Shared		
			Feed-Thru		
			Cost:		
			\$9,175.00		
			Total:		
Sub-total	\$945,145.00	\$465,288.51	N/A	\$462,967.08	N/A
Total for all systems	\$10,602,738.05	\$7,649,091.90	N/A	\$5,331,984.52	N/A

### Components

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

Rigid Transmission Line - copper, 4 1/16" broadband

Component Description: Die inv #180001

VHF rigid trans line

freight

UL20181120jgv1

**Amount:** \$1,002.77

Component Description: Die inv #180001

VHF rigid trans line

UL20181120jgv1

**Amount:** \$6,112.50

Component Description: Inv MAN00318

WJXT Int WJXX WTLV TLSCR 45 percent pmt 1 UL20180613jgv1

**Amount:** \$4,584.38

Component Description: Inv MAN00318

WJXT Int WJXX WTLV line 45 percent pmt 1 UL20180613jgv1

**Amount:** \$37,882.91

Component Description: Inv MAN00319

WJXT Int WJXX WTLV TLSCR 45 percent pmt 2 UL20180613jgv1

**Amount:** \$4,584.38

Component Description: Inv MAN00319

WJXT Int WJXX WTLV line 45 percent pmt 2 UL20180613jgv1

**Amount:** \$37,882.91

Rigid Transmission Line - copper, 7 3/16" broadband

Component Description: Additional TX Line

Parts for WJXT Interim Facility. Invoice includes tax (see attached quote

& invoice)

**Amount:** \$14,239.56

Component Description: Inv MAN00267

WJXT Interim transmisson line 45% down payment UL20180503jgv1

**Amount:** \$93,287.03

Component Description: WJXT (Interim)

Transmission Line Final 10% Payment (Quote & Invoices)

**Amount:** \$20,730.44

Component Description: WJXT Interim

Antenna (Second 45% Payment). 89,763.53 plus 3,523.50 for transmission line

system.

**Amount:** \$93,287.50

Rigid Transmission Line - copper, 8 3/16" broadband

Amount:

Component Description: Die inv #MAN00299

**TLSCRs** 

UL20181106jgv1

\$1,792.80

Component Description: Inv MAN00214

WCWJ WJXT Feed

thru

UL20180718jgv2

**Amount:** \$5,138.55

Component Description: Die inv #MAN00299

Transmission line UL20181106jgv1

**Amount:** \$61,296.17

Component Description: WJXT (Main)

Transmission Line CUT PIECES

(Shared) Final 10% Payment (Quote &

Invoices)

**Amount:** \$398.39

Component Description: Inv MAN00214

WCWJ WJXT TLSCRs

UL20180718jgv2

**Amount:** \$1,792.80

Component Description: Inv MAN00214

WCWJ WJXT
Transmission line

UL20180718jgv2

**Amount:** \$63,743.94

Component Description: Die inv #MAN00299

Feed thru

UL20181106jgv1

**Amount:** \$4,128.75

Component Description: WJXT (Main)

Transmission Line (Shared) Final 10% Payment (Quote &

Invoices)

**Amount:** \$11,081.30

### **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
Auxiliary Tower TOWER	\$626,812.50	\$377,758.79		\$155,258.79	
Lead Based Paint Services	\$9,412.50	\$9,412.50	Professional Lead Based Paint Services are required before tower modification can be performed the repack	\$9,412.50	N/A
Interim Tower Lease	\$60,000.00	\$60,000.00	See attached InSite Tower LLC quote. Costs are based on leasing space on the interim tower for 6 months at \$10,000 per month.	\$0.00	N/A

Remove	\$150,000.00	\$150,000.00	Interim tower	N/A	N/A
Interim			must be		
Equipment			rigged a		
			second time		
			after WJXT		
			tower mods		
			and main		
			antenna		
			installs are		
			complete in		
			order to		
			have the		
			interim		
			antenna,		
			interim line,		
			STL dish		
			and		
			waveguide		
			removed		
			from tower		
			and		
			disposed.		
Tower	\$26,300.00	\$12,500.00	Shared	N/A	N/A
mapping for			expense		
an			with WCWJ		
undocumented					
/poorly					
documented					
tower and					
preparation of					
documentation					
necessary for					
tower load					
study					
Structural	\$12,600.00	\$2,000.00	***System	\$2,000.00	N/A
engineering			Notice:		
tower load			Estimate		
study for well			adjusted and		
documented			locked		
tower			because line		
			has been		
			superseded.		
			0.01		

Primary Tower TOWER	\$998,442.00	\$644,874.04		\$361,446.29	
			\$53,927.12		
			SHARED:		
			\$107,854.25		
			TOTAL:		
			Freight		
			\$6,582.36 -		
			Sales Tax		
			\$2,254.40 -		
			Insurance		
			\$10 \$1,113.49 -		
			20180118- 810		
/modifications			Number		
reinforcement			Proposal		
Minor tower	\$158,000.00	\$53,927.12	\$97,904.00 -	\$53,927.12	N/A
	<b></b>		<b>*</b>	<b>^</b>	
					exactly
					Cost
					Estimate
					the
			·		total equ
			\$89,919.17		The Su
			SHARED:		correct
			\$179,838.35		that is n
			TOTAL:		howeve
			Sales Tax		Cost;
			\$9,993.86 -		Estimate
			Insurance		than
			\$1,113.49 -		greate
			847		total is
500')			20180122-		that Su
(greater than			- Proposal No.		messag indicate
/ a. u. a. a. 4 la. a. la			Duamanal		

Tower	\$1,000.00	\$1,000.00	Cost of	\$0.00	N/A
Helicopter Lift			helicopter is		
			in ERI Quote		
			Number		
			20180123-		
			851 Rev B		
			for the main		
			antenna		
			installation.		
			Graham		
			Media Group		
			paid the for		
			initial		
			Erickson		
			survey for		
			\$2,000		
			which is		
			shared with		
			WCWJ.		
Major tower	\$421,000.00	\$204,750.00	57,265 (ERI	\$36,103.39	N/A
reinforcement			20180118-		
modifications			815)		
			3,535.90		
			(ERI Sales		
			Tax)		
			Tax) \$3,405.88		
			\$3,405.88		
			\$3,405.88 (ERI Freight)		
			\$3,405.88 (ERI Freight) \$79,740.00		
			\$3,405.88 (ERI Freight) \$79,740.00 (Osborn)		
			\$3,405.88 (ERI Freight) \$79,740.00 (Osborn) \$4,000.00		
			\$3,405.88 (ERI Freight) \$79,740.00 (Osborn) \$4,000.00 (Osborn)		
			\$3,405.88 (ERI Freight) \$79,740.00 (Osborn) \$4,000.00 (Osborn) \$147,946.78		

Complex	\$421,000.00	\$284,382.04	Main ANT:	\$278,532.04	N/A
Tower			\$477,646.00		
(includes, for			(20180123-		
example,			851 Rev B)		
those with			\$85,300.00		
candelabras			(20180907-		
and/or			215)-No		
stacked			Reimburse		
antennas)			\$27,748.76		
			(Freight)		
			\$420,094.76		
			Total		
			\$210,047.38		
			Shared		
			TEGNA		
			ANT:		
			\$64,561.00		
			(20180122-		
			845)		
			\$5,850.00		
			(Change		
			Order)		
			\$3,923.66		
			(Tax)		
			\$74,334.66		
			Total		
			TOTAL:		
			\$284,382.04		
Tower mapping for an	\$26,300.00	\$25,600.00	N/A	\$5,218.75	N/A
undocumented					
/poorly					
documented					
tower and					
preparation of					
documentation					
necessary for					
tower load					
study					
Foundation	\$91,642.00	\$91,642.00	Quote is for	\$41,592.11	N/A
Expansion	φ31,042.00	φ <del>૭</del> ι ,04∠.00	\$183,284.	Φ <del>4</del> 1,392.11	IN/A
∟∧ραποιυπ			φτου,zo4. Shared		
			expense with WCWJ;		
			therefore		
			WJXT cost is \$91642.		

			1017604). The tower owner name was flagged when the		
			399		
			automatically		
			pre-filled the		
			ASR		
			information.		
			Therefore, we manually		
			entered the		
			data.		
Helicopter Site	\$37,500.00	\$37,500.00	See	N/A	N/A
Staging	φ37,300.00	ψ31,300.00	attached	IN/A	IN/A
Requirement			clearing		
•			quote for		
			\$75,000.		
			Erickson Inc.		
			requires a		
			200 x 200 ft		
			clearing for lifts and the		
			only way to		
			achieve this		
			is to have		
			the area		
			clear-cut and		
			also requires		
			a Strong		
			Plank Steel		
			Mat. Shared		
			expense with WCWJ		
			is \$37,500.		
Sub-total	\$1,625,254.50	\$1,022,632.83	N/A	\$516,705.08	N/A

Actual Information Description	File Name	
Lead Based Paint Services	Component Description:	WJXT Interim Tower Lead Based Paint Services (Shared) Payment (Quote & Invoices)
	Amount:	\$4,150.00
	Component Description:	WJXT Interim Tower Lead Based Paint Services (Shared) Final Payment (Quote & Invoices)
	Amount:	\$5,262.50
Interim Tower Lease	Information not provided.	
Remove Interim Equipment	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Structural engineering tower load study for well documented tower	Component Description:	Inv FL952GRARADIO Structural Analysis UL20180521jgv2 50% to WCWJ 50% to WJXT
	Amount:	\$2,000.00

Tall Tower (greater than		
500')	Component Description:	WJXT Interim
		Antenna &
		Transmission Line
		Installation (Shared)
		Final 50% Payment
		(Quote & Invoices)
	Amount:	\$47,458.05
	Component Description:	WJXT Interim
		Antenna &
		Transmission Line
		Installation (Shared)
		Initial 50% Down
		Payment (Quote &
		Invoices)
	Amount:	\$42,461.12
Minor tower reinforcement /modifications		
	Component Description:	WJXT Interim Tower
		Modifications
		(Shared) Initial 50%
		Down Payment
		(Quote & Invoices)
	Amount:	\$24,754.37
	Component Description:	WJXT Interim Tower
	200.100.	Modifications
		(Shared) Final 50%
		Down Payment
		(Quote & Invoices)
	Amount:	\$29,172.75
	Amount.	ΨΖΟ, 17Ζ.7Ο
Tower Helicopter Lift	Information not provided.	

### Major tower reinforcement /modifications

Component Description: Inv 26120R WJXT

Professional Services

UL20180503jgv1

**Amount:** \$3,701.80

Component Description: WJXT Main Tower

Mods (Final 50%

Shared Payment)

**Amount:** \$17,787.14

Component Description: Inv 26318R WJXT

Professional

Services UL20180502jgv1

.

**Amount:** \$298.20

Component Description: WJXT Main Tower

Mods (50% Shared

Payment)

**Amount:** \$14,316.25

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

Component Description: WJXT Main Antenna

Installs (50% Shared

Payment)

**Amount:** \$98,086.50

Component Description: WJXT (Tegna)

Installs (Final 50%

Payment)

**Amount:** \$36,204.16

Component Description: WJXT Main Ant

Installs (40% & 10%

Shared Payment)

**Amount:** \$111,960.88

Component Description: ERI inv #WJXT-001

VHF interim ant and

line UL20181113jgv1

**Amount:** \$32,280.50

**Component Description:** WJXT (Tegna)

Installs (Change

Order Payment)

**Amount:** \$5,850.00

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

**Component Description:** Inv

FL952GRA1422873 WCWJ Climbing

Inspection

UL20180605jgv2 50% to WCWJ 50%

to WJXT

**Amount:** \$1,531.25

**Component Description:** Inv 947-05 Tower

mapping

UL20180712jgv2 50% to WJXT 50% to

WCWJ

**Amount:** \$3,687.50

Foundation Expansion

Component Description: Osborn inv #26797R

Twr found eng 170930 - 171027 UL20181114jgv1 \$10,372,60

**Amount:** \$10,372.60

Component Description: Osborn inv #27213

Twr found eng 171028 - 171125 UL20181114jgv1 \$6,201.75

**Amount:** 

Component Description: Osborn inv #28225

Twr found eng 180127 - 180223 UL20181114jgv1 \$4 167.00

**Amount:** \$4,167.00

Component Description: Osborn inv #27832

Twr found eng 180101 - 180126 UL20181114jgv1

**Amount:** \$109.95

Component Description: Osborn inv #29390

Twr found eng 180428 - 180525 UL20181114jgv1

**Amount:** \$69.80

Component Description: Osborn inv #28313

Twr found eng 180224 - 180330 UL20181114jgv1

Amount: N/A

Component Description: Osborn inv #26528R

Twr found eng 170701 - 170929 UL20181114jgv1 \$14,449.65

**Amount:** \$14,449.65

Component Description: Osborn inv #27338

Twr found eng 171125 - 171231 UL20181114jgv1 \$2,702.68

Component Description: Osborn inv #29009

Twr found eng 180331 - 180427 UL20181114jgv1

**Amount:** \$2,529.20

Component Description: Matrax inv #2041

Mud mat rental UL20181112jgv1

**Amount:** \$989.48

Existing Tower Information not provided.

Helicopter Site Staging Requirement Information not provided.

**Amount:** 

### **Cost Information**

#### **Outside Professional Services**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos
Outside Professional Services	\$559,135.00	\$540,690.00		\$12,922.15	
Other Engineering Services	\$97,500.00	\$97,500.00	Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 850 hrs (\$127,500 at \$150/hr), & a new OES category has been created & funded with the money removed from PM.	\$1,250.00	N/A
Osborn Engineering Main Transmitter Facility	\$8,590.00	\$8,590.00	Shared cost with WCWJ.	N/A	N/A
Geotechnical Report	\$2,035.00	\$2,035.00	Shared cost with WCWJ	N/A	N/A
Environmental Impact Study	\$2,420.00	\$2,420.00	Shared cost with WCWJ	N/A	N/A

Topographic Survey	\$870.00	\$870.00	Shared cost with WCWJ	N/A	N/A
Other Legal Services	\$10,000.00	\$10,000.00	Other Legal Services related to the DTV Repack	\$4,414.65	N/A
Osborn Engineering Examination of Interim Site	\$51,710.00	\$51,710.00	Shared cost with WCWJ. See attached Osborn Engineering quote.	N/A	N/A
Intermod Study at Interim Site	\$500.00	\$500.00	See attached InSite Tower LLC quote for required study. Shared cost with WCWJ.	N/A	N/A
Additional Field Engineering Service, 45 Days	\$90,000.00	\$90,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$10,250.00	Shared expense with WCWJ	\$4,400.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$81,900.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,050.00	N/A	N/A	N/A

ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,050.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,240.00	Soil issues from GEO report	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,140.00	Soil issues from GEO report	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,585.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,095.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,305.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,120.00	N/A	N/A	N/A

Prepare request for Special Temporary Authorization	\$2,050.00	\$1,535.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,535.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,170.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,070.00	N/A	N/A	N/A

Project management of	\$134,300.00	\$130,900.00	Fewer Project	\$2,857.50	N/A
the transition			Management		
i di di di			"PM" tasks		
			are required		
			& Outside		
			Engineering		
			Services		
			"OES" are		
			required,		
			therefore the		
			PM total has		
			been		
			reduced to		
			850 hrs & a		
			new OES		
			category has		
			been		
			created &		
			funded with		
			the money		
			removed		
			from PM.		
Prepare and or	\$2,630.00	\$2,560.00	N/A	N/A	N/A
review					
reimbursement					
orm					
Address	\$2,630.00	\$2,560.00	N/A	N/A	N/A
ransition					
iming and					
coordination					
ssues w/ other					
stations and					
wireless					
Sub-total	\$559,135.00	\$540,690.00	N/A	\$12,922.15	N/A
Fotal for all	\$10,602,738.05	\$7,649,091.90	N/A	\$5,331,984.52	N/A

#### Components

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

Other Engineering Services	Component Description:	KGA inv #947-76 Actual Cost Invs
	Amount:	UL20181109jgv1 \$1,250.00
Osborn Engineering Main Transmitter Facility	Information not provided.	
Geotechnical Report	Information not provided.	
Environmental Impact Study	Information not provided.	
Topographic Survey	Information not provided.	
Other Legal Services	Component Description:	Covington inv #60790156 Various Legal
	Amount:	UL20181023jgv1 \$62.10
	Component Description:	Covington inv #60816783 Various Legal
	Amount:	UL20181030jgv1 \$192.60
	Component Description:	Covington inv #60780135 Various Legal
	Amount:	UL20181019jgv1 \$762.97
	Component Description:	Covington inv #60812706 Various Legal UL20181024jgv1

	Component Description:  Amount:	Covington inv #60793199 Various Legal UL20181023jgv1 \$149.47
	Component Description:  Amount:	Covington inv #60780136 Various Legal UL20181022jgv1 \$247.50
	Component Description:  Amount:	Covington inv #60774445 Various Legal UL20181022jgv1 \$2,621.91
Osborn Engineering Examination of Interim Site	Information not provided.	
Intermod Study at Interim Site	Information not provided.	
Additional Field Engineering Service, 45 Days	Information not provided.	
RF Exposure Measurements	Component Description: Amount:	Inv: WJXT RF exposure study UL20180227 \$4,400.00
Comprehensive coverage verification via field study, if needed	Information not provided.	
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.	

Information not provided.
Information not provided.

Project management of		
the transition	<b>Component Description:</b>	Inv 947-30 WJXT
		PM 387 2017 Q4
		UL20180621jgv1
	Amount:	\$300.00
	Component Description:	Inv 947-31 WJXT
		PM 387 2017 Q4
		UL20180531jgv2
	Amount:	\$300.00
	Component Description:	KGA inv #947-107
		Form 387 2018 Q3
		UL20181109jgv1
	Amount:	\$300.00
	Component Description:	Inv: WJXT Project
	Compension 2000 phoni	Management
		UL20180227 50%
		to WJXT 50% to
		WCWJ
	Amount:	\$2,257.50
Prepare and or review reimbursement form	Information not provided.	
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 (
Other Expenses	\$199,653.38	\$199,353.38		\$8,269.00	
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$25,000.00	\$25,000.00	N/A	\$1,123.50	N/A
Non-zoning permits	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Local Zoning	\$25,000.00	\$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$195.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,250.00	N/A	N/A	N/A
Sales Tax	\$7,145.50	\$7,145.50	Sales Tax	\$7,145.50	N/A

STL System	\$43,762.88	\$43,762.88	STL required at interim site. See attached STL quotes from Vernick Technology, Inc. and Data Flow Communications. Costs are \$87,525.75 (\$51,930.75 + \$35,595 - see attached quotes). Shared cost for WCWJ and WJXT is \$43,762.88.	N/A	N//
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/z
Equipment Storage	\$25,000.00	\$25,000.00	N/A	N/A	N//
Sub-total	\$199,653.38	\$199,353.38	N/A	\$8,269.00	N/
Total for all systems	\$10,602,738.05	\$7,649,091.90	N/A	\$5,331,984.52	N/

#### Components

Actual Information Description	File Name
Equipment Delivery and Handling Charges	Information not provided.

Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	WJXT R&S inv #9500083845 Dumpster UL20180807jgv1
	Amount:	\$1,123.50
Non-zoning permits	Information not provided.	
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
DTV Medical Facility Notification	Information not provided.	
Sales Tax		
	Component Description:	WJXT R&S inv #9500083892 Interim Electrical
		sales tax
	Amount:	UL20180807jgv1 \$7,145.50
STL System	Information not provided.	
MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	

# Cost Information

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$10,602,738.05	\$7,649,091.90	\$5,331,984.52

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. William T Godfrey, Jr.. Consulting Engineers

02/15/2019

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. William T Godfrey, Jr.. Consulting Engineers

02/15/2019

#### **Attachments**