

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	53116	Service: DTV	Call Sign:	WJXT Channel: 18 (UHF)
File Number:	000002	7951		
FRN: 000	2161107	Date Submitted:	06/05 /2018	

Applicant Name, Type, and Contact Information

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	Preparer Contact Na	ame and Information		
Contact 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	jeff@kesslerandgehman. com

Broadcaster	Question	Response
Information and Transition Plan	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 alternate- site. Share main antenna and transmission line with WCWJ.

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

Primary	Existing Transmitter Infor	mation				
Transmitter	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				
	Manufacturer and Type	Model	Sigma CD3200P2			
		Year	2008			
			Туре	Inductive Output Tube		
		IOT Power Type	Two			
		Power Capacity	42 kW			

Existing Transmitter Information

ransmitter	Section	Question	Response
	New Transmitter	Use	Primary (Main)
		Change Type	Purchase New
		Is this a request for upgraded equipment?	Yes
		Manufacturer	
		Model	THU9EVO- 24
		Transmitter Type	Solid State
		Solid State Cooling	Liquid Cooled
		Solid State Power capacity	37.0 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

Primary	Other Transmitter Costs	er Transmitter Costs			
Transmitter	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?	No		
		Size	N/A		
	Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A		
		Is a channel 14 Mask Filer needed?	N/A		
		Is additional field engineering time needed?	N/A		
		Number of Days	N/A		

Primary Transmitter	Other Transmitter Cost Not Listed		
	Name	Description	
	Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch.	
	Switch	Switch to Combiner Interconnect 8-3/16" 75 ohm.	
	8-Pole Mask Filter	WJXT-D18 is located less than 1 km from WJAX-D19 (1st adjacent stations).	
	50 kW Reject Load	Outside heat exchanger kit: \$4,812.50. See Rohde & Schwarz quote.	

Interim	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase	
		Manufacturer		
		Model	THU9EVO- 36	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	55.0 kW	
		Justification for New Transmitter	No space on tower to support an interim antenna. ERP: 976 kW. RMS Gain: 20.0 Azimuth Gain: 1.66 TX Line loss: 0.777 Mask Filter Loss: 0.931 H-pol only TPO: 52.3 kW Required TX: THU9EVO- 36	

Question Response		
Response		
Yes		

	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	500.0 feet
	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).
IVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Fransmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	450.0 square feet

	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A
Inside RF System	Is an additional interior RF system required to support this interim transmitter?	Yes

Other Transmitter Cost Not Listed

Interim Transmitter

Name	Description
Transmitter Interconnect	TX output to container in antenna interconnect kit 6-50: \$9,600. See Rohde & Schwarz quote.
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.
50 kW Reject Load	Outside heat exchanger kit: \$10,112.50. See Rohde & Schwarz quote.
Cooling Pumps Stacking Kit	Required to meet spacing requirements in transmitter building.
Additional RF Components	Required to split cabinets in order to meet spacing requirements in transmitter building.
Required Extra Glycose	Extra glycose and hose accessories kit - 30 meters.

Antennas Section		Question	Response
Antenna Rela	ated Expenses	Do you have antenna related expenses?	Yes

Primary	Existing Antenna Inform	nna Information		
Antenna	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 Manufacturer and Type	Class	Full Power	
		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

itenna	Section	Question	Response
	New Antenna Description	Use	Primary (Mair
		Description of Use	N/A
		Change Type	Purchase Nev
		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
	WCWJ
	"unable to
	construct"
	post-auction
	facility;
	therefore, no
	upgrade
	costs.

Primary Other Antenna Costs Antenna Section

enna	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.

18	
20	

Primary Antenna

Other Antenna Cost Not Listed		
Name	Description	
Antenna adapter	ANTENNA WEDDING CAKE MOUNTING ADAPTER.	
Extension Pole	MOUNTING POLE FOR TOP MOUNTING ANTENNA IN ORDER TO MAINTAIN FAA HEIGHT.	
Shipping	Shipping costs: \$9,800	

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	Class	Full Power	
	Manufacturer and Type	Manufacturer and Type 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	
			1	

Justification for New Antenna

Interim Antenna	Other Antenna Costs			
	Section	Question	Response	
	Antenna Antenna? Type	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	

Other Antenna Costs

Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	4 1/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number		
10		
13		

Interim Antenna

Other Antenna Cost Not Listed

Name	Description
Shipping	Shipping costs: \$5,400

Interim New Antenna Costs

Antenna	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.

Interim Other Antenna Costs

Antenna

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	7 3/16 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Interim Antenna	Other Antenna Cost Not Listed		
	Name	Description	
	Shipping	Shipping cost: \$5,400	

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

Primary	Existing Transmission Line					
Transmissio	n 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 Line Manufacturer and Type	Manufacturer				
		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			

Transmissio	n Line Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	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 New Transmission Line	The power
	rating for 7
	3/16" line is
	not capable
	of handling
	the power
	required fo
	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 wil
	share the
	costs.

Other Transmission Line Expenses Not Listed Primary			
Transmissio	n Line	Description	
	Shipping	Shipping Cost: \$5,400	

Interim	New Transmission Line					
Transmissio	n Line Section	Question	Response			
	New Transmission Line	Use	Interim			
	Costs	Description of Use	N/A			
		Change Type	Purchase New			
		Туре	Rigid			
		Diameter	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.			

Other Transmission Line Expenses Not Listed Transmission

Interim New Transmission Line

Transmissio	nd ine	Question	Response
	New Transmission Line	Use	Interim
	Costs	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.

Other Transmission Line Expenses Not Listed Transmission

Tower	Section	Question	Response
Equipment And Rigging Costs	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 Registration Coordinates (<u>NAD83</u> (North American Datum of 1983))	Do you have a tower registration number?	Yes			
		ASR Number	1016457			
		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 o Guyed Structure
Tower Owner	IWG Towers Assets II, LLC
Date Constructed	07/01/1988

Tower Modification Costs Auxiliary

lower	
101101	

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

Tower Rigging Costs Auxiliary

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

Auxiliary	Other Tower Expenses Not Listed	
Tower	Name	Description

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).

Primary	Existing Tower		
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	Do you have a tower registration number?	No
	Registration	ASR Number	
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	30° 16' 25.0" N-
	1983))	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 Modification Costs

Tower

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 Rigging Costs Section Question Response Tower Rigging Costs Complex Tower Candelabra

Primary	Other Tower Expenses Not Listed			
Tower	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 pre- filled 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	Section	Question	Response
Professional	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

uuantity o you have Distributed Transmission ystem engineering services? ritical Facility errain-Shielded Facility repare and file Form FCC Construction ermit Application or Auxiliary Facility	1 N/A N/A N/A Yes
ystem engineering services? ritical Facility errain-Shielded Facility repare and file Form FCC Construction ermit Application	N/A N/A
errain-Shielded Facility repare and file Form FCC Construction ermit Application	N/A
repare and file Form FCC Construction ermit Application	
ermit Application	Yes
or Auxiliary Facility	
	No
or Main Facility	Yes
repare and file Form FCC License to over Application	Yes
or Auxiliary Facility	No
or Main Facility	Yes
repare request for Special Temporary uthority	Yes
uantity	1
EPA Section 106 environmental review	Yes
nvironmental Assessment	Yes
SR Modification	Yes
AA Consultation (including preparation of AA Form 7460)	Yes
egotiation of Lease and other Matter for hared Locations	Yes
repare or Review FCC Form 399 for eimbursement	Yes
ddress transition timing and coordination sues w/ other stations and wireless roviders	Yes
omprehensive coverage verification via eld study	Yes
F exposure measurements	Yes
dditional Field Engineering Service	Yes
	repare and file Form FCC License to over Application or Auxiliary Facility or Main Facility repare request for Special Temporary uthority uantity EPA Section 106 environmental review nvironmental Assessment SR Modification AA Consultation (including preparation of AA Form 7460) egotiation of Lease and other Matter for hared Locations repare or Review FCC Form 399 for eimbursement ddress transition timing and coordination sues w/ other stations and wireless roviders omprehensive coverage verification via eld study F exposure measurements

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 Other Professional Services Expenses Not Listed Professional Services Costs

al Services Costs	Description
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)
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).

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).
Topographic Survey	Required for new interim transmitter building container (shared cost with WCWJ).
Outside Engineering Services	Fewer Project Management "PM" tasks are required & Outside 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	Section	Question	Response
Expenses	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 Not Listed

Expenses Na		
	ame	Description
S	TL 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.

Transmitters

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter THU9EVO-36	\$2,569,256.00	\$1,935,656.00		\$0.00	
Required Extra Glycose	\$12,000.00	\$12,000.00	See Rohde & Schwarz quote for WJXT interim transmitter.	N/A	N/A
Additional RF Components	\$17,550.00	\$17,550.00	RF Components for 2+2 cabinets to meet space requirements in interim transmitter container (building). See Rohde & Schwarz quotes for WJXT interim transmitter.	N/A	N/A
Cooling Pumps Stacking Kit	\$2,500.00	\$2,500.00	Required to meet space requirements in interim transmitter container (building). See Rohde & Schwarz quotes for WJXT interim transmitter.	N/A	N/A

50 kW Reject Load	\$10,112.50	\$10,112.50	See attached Rohde & Schwarz quote	N/A	N/A
Split Configuration	\$3,950.00	\$3,950.00	See attached Rohde & Schwarz quote	N/A	N/A
Back-up Generator	\$132,500.00	\$132,500.00	Back-up generator to be shared at interim site with WCWJ and WJXT. Cost of back- up generator is \$265,00; however, shared cost is \$132,500 (see attached back-up generator quote from Olympian Generators)	N/A	N/A
Transmitter Interconnect	\$9,600.00	\$9,600.00	See attached Rohde & Schwarz quote	N/A	N/A

Other Building Addition Size: 450.0	\$254,643.50				
		\$254,643.50	Attached letter from InSite Tower (interim tower) states that new building must be provided. Attached quotes from Osborn Engineering & Advantage Structures for a new 450 sq ft building is \$509,287 (\$444,940 + \$64,347). Shared costs equates to \$254,643.50.	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,170,300.00	See attached Rohde & Schwarz quote. See justification box in transmitter section for TPO calculations and transmitter selection justification.	N/A	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A

Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$26,000.00	\$24,500.00	N/A	N/A	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Other Electrical Service: Additional services required to install new transmitter at alternate site (see attached quotes for monthly lease expenses; transmitter building costs; and electrical services costs).	\$25,000.00	\$25,000.00	Jacksonville Electric Authority (JEA) services must be retained in order to modify on- site transformer to provide required service to new interim building (container).	N/A	N/A
UHF inside RF system including switching	\$147,500.00	\$140,000.00	N/A	N/A	N/A
Primary Transmitter THU9EVO-24	\$1,797,412.50	\$1,117,612.50		\$0.00	
50 kW Reject Load	\$4,812.50	\$4,812.50	Outside heat exchanger kit: \$4,812.50. See Rohde & Schwarz quote.	N/A	N/A

Standby Exciter and Switch	\$25,000.00	\$25,000.00	N/A	N/A	N/A
UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW	\$1,473,000.00	\$825,300.00	See attached Rohde & Schwarz quote. See justification box in transmitter section for TPO calculations and transmitter selection justification.	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	N/A	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$10,000.00	See attached Rohde & Schwarz quote.	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$26,000.00	\$24,500.00	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	\$37,000.00	N/A	N/A	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
Sub-total	\$4,366,668.50	\$3,053,268.50	N/A	\$0.00	N/A
Total for all systems	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A

Information not provided.

Antennas

Cost Information

Description Interim Antenna	Predetermined Cost Estimate \$193,665.00	Estimated Cost \$168,635.00	Estimated Cost Justification	Actual Cost \$0.00	Actual Cost Justification
TLSV-8BB					
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 83 kW input, directional,, horizontally polarized	\$57,975.00	\$57,975.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached Dielectric Quote.	N/A	N/A
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.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$80,000.00	See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna.	N/A	N/A

\$10,950.00	\$10,400.00	See lease	N/A	N/A
		agreement for		
		WTLV and		
		WJXX with		
		respect to		
		reimbursement		
		for interim		
		VHF antenna.		
\$23,150.00	\$5,760.00	See lease	N/A	N/A
		agreement for		
		WTLV and		
		WJXX with		
		respect to		
		reimbursement		
		for interim		
		VHF antenna.		
		See attached		
		Dielectric		
		Quote.		
\$5,260.00	\$2,700.00	See lease	N/A	N/A
		agreement for		
		WTLV and		
		WJXX with		
		respect to		
		reimbursement		
		for interim		
		VHF antenna.		
		See attached		
		Dielectric		
		Quote.		
\$5,400.00	\$5,400.00	N/A	N/A	N/A
\$217,870.00	\$210,064.00		\$89,848.80	
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
\$5,260.00	\$5,000.00	N/A	N/A	N/A
	\$23,150.00 \$5,260.00 \$5,260.00	\$23,150.00 \$5,760.00 \$5,260.00 \$2,700.00 \$5,260.00 \$2,700.00	agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna.\$23,150.00\$5,760.00See lease agreement for WTLV and WJXX with respect to reimbursement for interim 	agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna.N/A\$23,150.00\$5,760.00See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna.N/A\$5,260.00\$2,700.00See lease agreement for wTLV and UAFF antenna. See attached Dielectric Quote.N/A\$5,260.00\$2,700.00See lease agreement for wTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached Dielectric Quote.N/A\$5,260.00\$2,700.00See lease agreement for WTLV and WJXX with respect to reimbursement for interim VHF antenna. See attached Dielectric Quote.N/A\$5,260.00\$2,700.00N/AN/A

Shipping	\$4,900.00	\$4,900.00	Cost: \$9,800; however, it is shared cost with WCWJ therefore, cost for WJXT is \$4,900. See attached Dielectric Quote.	N/A	N/A
Extension Pole	\$76,315.00	\$76,315.00	Cost: \$152,630; however, it is shared cost with WCWJ, therefore, cost for WJXT is \$76,315. See attached Dielectric Quote.	N/A	N/A
Antenna adapter	\$10,736.00	\$10,736.00	Cost: \$21,472; however, it is shared cost with WCWJ, therefore, cost for WJXT is \$10,736. See attached Dielectric Quote.	N/A	N/A
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	\$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.	N/A	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$40,000.00	Shared expense with WCWJ	N/A	N/A

Station			shared cost		
antenna			with WCWJ,		
elliptically			therefore, cost		
or circularly			for WJXT is		
polarized			\$175,046.50. See attached		
			Dielectric		
			Quote.		
Sweep test	\$6,730.00	\$3,200.00	Shared	N/A	N/A
of existing	. ,	. ,	expense with		
antenna			WCWJ		
Sub-total	\$788,412.50	\$697,776.50	N/A	\$89,848.80	N/A
Total for	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A
all					
systems					

Actual Information Description	File Name
UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 83 kW input, directional,, horizontally polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
Elbow complex, broadband, at antenna input, per 4 1/16. feedline (if needed)	Information not provided.
Side mount brackets for high power antennas (if not included in antenna base cost)	Information not provided.

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Shipping	Information not provided.	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	Information not provided.	
Side mount brackets for high power antennas (if not included in antenna base cost)	Component Description:	Inv MAN00267 WJXT Interim TX antenna mount 45% down payment
	Amount:	UL20180503jgv1 \$7,884.00
Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed)	Component Description:	Inv MAN00267 WJXT Interim elbov complex 45% down payment
	Amount:	UL20180503jgv1 \$6,868.80
Sweep test of existing		
antenna	Component Description:	Inv MAN00267 WJXT Interim sweep 45% down payment
	Amount:	UL20180503jgv1 \$2,880.00
UHF - High Power, Side		
Mount, basic slot antenna,	Component Description:	Inv MAN00267 WJXT Interim TX
24 bay,, 976 kW input, directional,, elliptically or circularly polarized		ant 45% down payment

Shipping	Information not provided.
Shipping	Information not provided.
Extension Pole	Information not provided.
Antenna adapter	Information not provided.
Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	Information not provided.
New combiner, cost per channel (without antenna)	Information not provided.
UHF - High Power Top Mount Two Station antenna elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.

Transmission Line

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$357,975.00	\$207,304.50		\$93,287.03	
Rigid Transmission Line - copper, 7 3 /16" broadband	\$357,975.00	\$207,304.50	See Dielectric quote for WJXT interim facility	\$93,287.03	N/A
Interim Transmission Line	\$126,325.00	\$94,371.75		\$0.00	
Rigid Transmission Line - copper, 4 1 /16" broadband	\$126,325.00	\$94,371.75	See Dielectric quote for WJXX and WTLV combined interim facilities.	N/A	N/A
Primary Transmission Line	\$465,745.00	\$150,537.20		\$0.00	
Shipping	\$4,900.00	\$4,900.00	Shipping Cost is \$9,800; however, it is a shared expense with WJXT; therefore, WCWJ shipping cost is	N/A	N/A

Rigid Transmission Line - copper, 8 3 /16" broadband	\$460,845.00	\$145,637.20	Cost: \$291,274.40; however, it is shared cost with WCWJ, therefore, cost for WJXT is \$145,637.20. See attached Dielectric Quote.	N/A	N/A
Sub-total	\$950,045.00	\$452,213.45	N/A	\$93,287.03	N/A
Total for all systems	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 7 3/16" broadband	Component Description: Amount:	Inv MAN00267 WJXT Interim transmisson line 45% down payment UL20180503jgv1 \$93,287.03
Rigid Transmission Line - copper, 4 1/16" broadband	Information not provided.	
Shipping	Information not provided.	
Rigid Transmission Line - copper, 8 3/16" broadband	Information not provided.	

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$1,070,942.00	\$731,026.00		\$9,218.75	
Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	Costs for WJXT tower mods are a shared expense with WCWJ.	\$4,000.00	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	\$5,218.75	N/A
Foundation Expansion	\$91,642.00	\$91,642.00	Quote is for \$183,284. Shared expense with WCWJ; therefore WJXT cost is \$91642.	\$0.00	N/A

Tower	\$73,500.00	\$73,500.00	See	N/A	N/A
Helicopter Lift			attached		
			Erickson		
			quote for		
			\$147,000. The WJXT		
			tower has		
			history of		
			using		
			helicopter lifts since it		
			is a complex		
			candelabra.		
			Shared		
			expense with WCWJ;		
			therefore		
			cost is		
			\$73,500.		
			φ <i>1</i> 3,500.		
Existing Tower	\$0.00	\$0.00	This is just a	N/A	N/A
			note to state		
			that the		
			tower has an		
			ASR (ASRN		
			1017604).		
			The tower		
			owner name		
			was flagged		
			when the		
			399		
			automatically		
			pre-filled the		
			ASR		
			information.		
			information.		
			information. Therefore,		

Auxiliary Fower TOWER	\$617,400.00	\$399,500.00		\$2,000.00	
			See quotes.		
			with VHF.		
			Total cost is \$303,384		
			\$238,823. Total cost is		
			for WJXT is		
			install cost		
			antenna		
			main		
			WCWJ, the		
			shared with		
			antenna is		
			Since main		
			obligation).		
			(contractual		
antennas)			install		
stacked			antenna		
and/or			\$64,561 for VHF interim		
those with candelabras			install and		
example,			antenna		
(includes, for			main		
Tower		·····	\$477,646 for		
Complex	\$421,000.00	\$303,384.00	Actual costs:	N/A	N/A
			is \$37,500.		
			with WCWJ		
			expense		
			Mat. Shared		
			Plank Steel		
			a Strong		
			also requires		
			clear-cut and		
			is to have the area		
			achieve this		
			only way to		
			lifts and the		
			clearing for		
			200 x 200 ft		
			requires a		
			Erickson Inc.		
			\$75,000.		
			quote for		
Requirement			clearing		
Staging			attached		

Remove Interim \$150,000.00 \$150,000.00 Interim tower N/A N Equipment rigged a second time after WJXT tower mods and main antenna installs are complete in order to have the interim antenna, interim Interim STL dish STL dish STL dish	J/A
and waveguide removed from tower and disposed.	
Interim Tower Lease \$60,000.00 \$60,000.00 See N/A N attached InSite Tower LLC quote. Costs are based on leasing space on the interim tower for 6 months at \$10,000 per month.	J/A
Tall Tower\$210,500.00\$100,000.00SharedN/AN(greater thanexpense500')with WCWJ	I/A
Minor tower \$158,000.00 \$75,000.00 Shared cost N/A N reinforcement with WCWJ /modifications	J/A

Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$12,500.00	Shared expense with WCWJ	N/A	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$2,000.00	***System Notice: Estimate adjusted and locked because line has been superseded. ***	\$2,000.00	N/A
Sub-total	\$1,688,342.00	\$1,130,526.00	N/A	\$11,218.75	N/A
Total for all systems	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A

Actual Information Description	File Name	
Major tower reinforcement /modifications	Component Description: Amount:	Inv 26318R WJXT Professional Services UL20180502jgv1 \$298.20
	Component Description: Amount:	Inv 26120R WJXT Professional Services UL20180503jgv1 \$3,701.80

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Component Description: Amount:	Inv FL952GRA1422873 WCWJ Climbing Inspection UL20180605jgv2 50% to WCWJ 50% to WJXT \$1,531.25
	Component Description:	Inv: WJXT Tower mapping UL20180227 50% to WJXT 50% to WCWJ
	Amount:	\$3,687.50
Foundation Expansion	Information not provided.	
Tower Helicopter Lift	Information not provided.	
Existing Tower	Information not provided.	
Helicopter Site Staging Requirement	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Remove Interim Equipment	Information not provided.	
Interim Tower Lease	Information not provided.	
Tall Tower (greater than 500')	Information not provided.	
Minor tower reinforcement /modifications	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

Outside Professional Services

Cost Information

	Predetermined	Estimated	Estimated Cost		Actual Cost
Description	Cost Estimate	Cost	Justification	Actual Cost	Justification
Outside Professional Services	\$549,135.00	\$523,875.00		\$6,957.50	
Outside Engineering Services	\$97,500.00	\$97,500.00	Fewer Project Management "PM" tasks are required & Outside 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.	N/A	N/A
Topographic Survey	\$870.00	\$870.00	Shared cost with WCWJ	N/A	N/A
Osborn Engineering Main Transmitter Facility	\$8,590.00	\$8,590.00	Shared cost with WCWJ.	N/A	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	\$ 5 00.00	\$500.00	See attached InSite Tower LLC quote for required study. 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
Additional Field Engineering Service, 45 Days	\$90,000.00	\$90,000.00	N/A	N/A	N/A
RF Exposure Measurements	\$21,050.00	\$10,000.00	Shared expense with WCWJ	\$4,400.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for	\$2,105.00	\$2,000.00	N/A	N/A	N/A

ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	Soil issues from GEO report	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	Soil issues from GEO report	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	\$4,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	N/A	N/A
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	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	N/A	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	N/A	N/A

Project	\$134,300.00	\$127,500.00	Fewer	\$2,557.50	N/A
management of the transition			Project Management		
			Management "PM" tasks		
			are required & Outside		
			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.		
Prepare and or	\$2,630.00	\$2,500.00	N/A	N/A	N/A
review					
reimbursement					
form					
Address	\$2,630.00	\$2,500.00	N/A	N/A	N/A
transition					
timing and					
coordination					
ssues w/ other					
stations and					
wireless					
Sub-total	\$549,135.00	\$523,875.00	N/A	\$6,957.50	N/A
Total for all	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A
systems					

Actual Information	
Description	File Name

Outside Engineering Services	Information not provided.	
Topographic Survey	Information not provided.	
Osborn Engineering Main Transmitter Facility	Information not provided.	
Osborn Engineering Examination of Interim Site	Information not provided.	
Intermod Study at Interim Site	Information not provided.	
Geotechnical Report	Information not provided.	
Environmental Impact Study	Information not provided.	
Additional Field Engineering Service, 45 Days	Information not provided.	
RF Exposure Measurements	Component Description:	Inv: WJXT RF
	Amount:	exposure study UL20180227 \$4,400.00
Comprehensive coverage verification via field study, if needed	Amount: Information not provided.	UL20180227
verification via field study,		UL20180227
verification via field study, if needed FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if	Information not provided.	UL20180227

NEPA Section 106 environmental review, 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	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Perform engineering study for new channel assignment and antenna development	Information not provided.

Project management of the transition	Component Description: Amount:	Inv: WJXT Project Management UL20180227 50% to WJXT 50% to WCWJ \$2,257.50
	Component Description: Amount:	Inv 947-31 WJXT PM 387 2017 Q4 UL20180531jgv2 \$300.00
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Other Expenses

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Co Justificati
Other Expenses	\$192,507.88	\$191,952.88		\$0.00	
Develop and air announcement of upcoming channel change	\$10,000.00	\$10,000.00	N/A	N/A	N/A
Equipment Storage	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Equipment Delivery and Handling Charges	\$25,000.00	\$25,000.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	N/A	N/A
Local Zoning	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Non-zoning permits	\$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	N/A	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/A
MVPD Notification of Channel Change	\$2,000.00	\$2,000.00	N/A	N/A	N/A
Sub-total	\$192,507.88	\$191,952.88	N/A	\$0.00	N/A
Total for all systems	\$8,535,110.88	\$6,049,612.33	N/A	\$201,312.08	N/A

Information not provided.

Cost	Grand Total				
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$8,535,110.88	\$6,049,612.33	\$201,312.08	

Reimbursem	enrestanus	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

Certification	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.	
		 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 above- named applicant for the Authorization(s) specified above.	Jeffrey C Gehman Engineering Associate 06/05/2018

Attachments