

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID:	29712	Service: DTV	Call Sign:	WCM1	Channel: 20 (UHF)
File	000002	7958			
Number:					
FRN: 00	02161107	Date	09/10		
		Submitted:	/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 Name 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	The WCWJ tower must be replaced due to the repack. Instead of building a new tower, it will be dismantled & WCWJ will collocate with WJXT. An interim antenna, transmitter & line are required to operate at alternate site during dismantle of WCWJ tower.

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

Auxiliary	Add Transmitter Information				
ransmitter	Section	Question	Response		
	Existing Transmitter Description	Type of change	Purchase New		
		Use	Auxiliary (Backup)		
		Description of Use	Auxiliary		
		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	Diamond		
		Year	2005		
		Туре	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power Capacity	1.8 kW		

Add Transmitter Information

Auxiliary	New Transmitter Costs				
Transmitter	Section	Question	Response		
	New Transmitter	Use	Auxiliary (Backup)		
		Change Type	Purchase New		
		Is this a request for upgraded equipment?	No		
		Manufacturer			
		Model	TMU9		
		Transmitter Type	Solid State		
		Solid State Cooling	Air Cooled		
		Solid State Power capacity	1.8 kW		
		Justification for New Transmitter	The manufacturer of the existing transmitter advises that the transmitter cannot be re- tuned to the assigned channel. See attachment.		

Auxiliary Transmitter	Other Transmitter Costs					
	Section	Question	Response			
	Electrical Service	Service Entrance (3 phases 800A 208V)	No			
		Switchgear (industrial 800 amp)	No			
		Transformer (480V)	No			
		Power	N/A			
		Rigid Conduit and Wiring	Yes			
			•			

	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	Disconnect existing transmitter and connect new transmitter after installation
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	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

Auxiliary Other Transmitter Cost Not Listed

tter	Name	Description	
	Additional Interior RF System	Interior RF System Existing Transmitter to Interim Transmission line.	
	Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch.	

Primary	Existing Transmitter Information				
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 and Type	Manufacturer			
		Model	Sigma CD3140P2CF		
		Year	2008		
		Туре	Inductive Output Tube		
		IOT Power Type	Тwo		
		Power Capacity	34.0 kW		

Primary	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Primary (Main)	
		Change Type	Purchase New	
		Is this a request for upgraded equipment?	Yes	
		Manufacturer		
		Model	THU9EVO- 40	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	61.0 kW	
		Justification for New Transmitter	ERP: 1000 kW (1st Priority Station) RMS Gain: 18.9 Azimuth Gain: 1.39 TX Line Loss: 0.812 Mask Filter Loss: 0.931 Combiner Loss: 0.933 H-pol Only TPO: 54.0 kW (THU9EVO- 36) 1 Step Up: THU9EVO- 40 Upgrade: THU9EVO- 48	

Primary	Other 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	Other electrical services required since WCWJ is moving to the WJXT site and will have to be interfaces with the electrical in the WJXT transmitter building.	
	HVAC Service	Does the replacement transmitter require HVAC Service?	Yes	
		Туре	Cooling Only	
		Size	10 tons	
		Other Size	N/A	
	Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No	
		Size	N/A	

Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

Other Transmitter Cost Not Listed

Primary Transmitter

Name	Description
50 kW Reject Load	Outside heat exchanger kit: \$4,812.50. See Rohde & Schwarz quote.
8-Pole Mask Filter	WCWJ-D20 is located less than 1 km from WJAX-D19 (1st adjacent stations).
Switch	Switch to Combiner Interconnect 8-3/16" 75 ohm.
Standby Exciter and Switch	Standby Exciter with Automatic Change Over Switch.

Interim	New Transmitter Costs			
Transmitter	Section	Question	Response	
	New Transmitter	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase	
		Manufacturer		
		Model	THU9EVO- 20	
		Transmitter Type	Solid State	
		Solid State Cooling	Liquid Cooled	
		Solid State Power capacity	31.0 kW	
		Justification for New Transmitter	A new transmitter for an interim facility at an alternate site is necessary to keep station on the air while the WCWJ tower is being dismantled and for the duration of the assigned phase. H- pol only TPO: 30.4 kW Required TX: THU9EVO- 20	

Other Transmitter Costs

Interim

Transmitter	Section	Question	Response
	Electrical Service	Service Entrance (3 phases 800A 208V)	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	Other electrical services will be required for transmitter building at the alternate site for the interim facility to operate while the tower is being dismantled and through the assigned phase. See lease, bldg & elec quotes.
	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?	Yes

Other Transmitter Cost Not Listed

Interim Transmitter

Name	Description
50 kW Reject Load	Outside heat exchanger kit: \$10,112.50. See Rohde & Schwarz quote.
Transmitter Interconnect	TX output to container in antenna interconnect kit 6-50: \$9,600. See Rohde & Schwarz quote.
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.
Back-up Generator	A temporary generator is required at the interim site while the WCWJ tower is being dismantled.
Cooling Pumps Stacking Kit	Required to meet spacing requirements in transmitter building.
Split Configuration	Transmitter split configuration kit to provide required space in in interim container. Cost is \$3,950.00. See Rohde & Schwarz quote.

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

Primary	Existing Antenna 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	Class	Full Power	
	Manufacturer and Type	Mounting	Side Mount	
		Antenna position in stack	Not in Stack	
		Polarization	Horizontal	
		Туре	Slotted Coaxial	
		Number of Stations Supported	N/A	
		Number of Panels	N/A	
		Design power capacity in use	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	863.0 kW	

Manufacturer	
Model	TFU- 28GTH-R 6T170
Year	2008

Intenna	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	60.0 %
		Other Antenna Type	N/A
		ERP: (Effective Radiated Power)	1000.0 kW
		Manufacturer	
		Model	TFU-24GTH /VP-R TC O6SP

Year	2018
Justification for New Antenna	The existing main antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. The antenna is an upgrade; however, it will result in an overall system savings for the FCC since it will be shared with WJXT.

Other Antenna Costs

Primary

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Antenna

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
20	
18	

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

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 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/Bays	N/A	
		Lower Limit	N/A	
		Upper Limit	N/A	
		Design power capacity in use	N/A	
		Other Antenna Type	N/A	
		ERP: (Effective Radiated Power)	863.0 kW	
		Manufacturer		
		Model	TFU- 25ETT-R O6T170	

Year	2018
Justification for New Antenna	An interim antenna is necessary to keep station on the air at an alternate site while the WCWJ tower is being dismantled and while the primary antenna is built-out and throughout duration of assigned phase.

Oth Δnt Interim

ther	Antenna	Costs

Section	Question	Response
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	S
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	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

Interim	Other Antenna Cost Not Listed		
Antenna	Name	Description	
	Shipping	Shipping Cost: \$9,800	

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	Manufacturer		
Line Manufacture 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	1005 feet per run	

Transmission	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.

Primary	Other Transmission Line Expenses Not Listed		
Transmissic	n Line	Description	
	Shipping	Shipping Cost: \$9,800	

Interim	New Transmission Line			
Transmissio	section	Question	Response	
	New Transmission Line Costs	Use	Interim	
		Description of Use	N/A	
		Change Type	Purchase New	
		Туре	Rigid	
		Diameter	6 1/8 inches	
		Segment Length	19 ½ '	
		Other Segment Length		
		Number of parallel runs	1	
		Length	1100 feet per run	
		Justification for New Transmission Line	Interim transmission line is necessary in order to keep WCWJ on the air during primary antenna replacement and for the duration of the assigned phase. This will be at an alternate site since the tower has to be dismantled.	

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

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	Do you have a tower registration number?	Yes	
		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 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

Interim Tower Lease	Monthly lease expenses at alternate site (InSite Tower) to support the top-mount interim antenna, TX line and STL for up to 21 months (see attached quote).
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. Old pre-auction top-mount antenna reinstalled for FAA height.

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?	Terrain Constrained			
		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?	Yes			
		Is tower compliant with Rev G?	No			
	Existing Tower Structure	Do you have a tower registration number?	Yes			
	Registration	ASR Number	1025608			
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	30° 16' 37.0" N-			
	1983))	Longitude (NAD83)	081° 33' 46.0" W-			
		Overall Structure Height	1013.77 feet			
		Support Structure Height	944.87 feet			
		Ground Elevation Above Mean Sea Level (AMSL)	32.81 feet			
		Structure Type	TOWER - Free Standing or Guyed Structure			

Tower Owner	Graham Media Group, Florida, Inc.
Date Constructed	11/15/1967

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 Section

Section	Question	Response
Tower Rigging Costs	Complex Tower	Terrain constrained
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower Angel State Not Listed

Name	Description
Foundation Expansion	In order to support the loading for WCWJ to collocate with WJXT on the WJXT tower, the guy wire anchor foundations must be reinforced (expanded).
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.

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?	Terrain Constrained			
		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?	Yes			
		Is tower compliant with Rev G?	No			
	Existing Tower Structure	Do you have a tower registration number?	Yes			
	Registration	ASR Number	1025608			
	Coordinates (NAD83 (North American Datum of	Latitude (NAD83)	30° 16' 37.0" N-			
	1983))	Longitude (NAD83)	081° 33' 46.0" W-			
		Overall Structure Height	1013.77 feet			
		Support Structure Height	944.87 feet			
		Ground Elevation Above Mean Sea Level (AMSL)	32.81 feet			
		Structure Type	TOWER - Free Standing or Guyed Structure			

Tower Owner	Graham Media Group, Florida, Inc.
Date Constructed	11/15/1967

Tower	Section	Question	Response
	Construct New Tower	Use	Primary (Main)
		Description of Use	N/A
		Is this a request for upgraded equipment?	No
		Height	945.00 feet
		Justification for New Tower	A recent structural analysis indicates that the tower fails when changes are made that invoke EIA-222-G, such as required for this repack The analysis states that tower cannot be upgraded to comply with the standards (see attached structural

Tower Rigging Costs Primary Tower

Section	Question	Response
Tower Rigging Costs	Complex Tower	Other
Helicopter Services Required	Are helicopter services required?	Yes

Primary Tower	Other Tower Expenses Not Listed		
	Name	Description	
	Tower Mapping	Tower mapping cost shared with WJXT related to WCWJ moving to the WJXT tower	
	Helicopter Site Staging Requirement	See attached quotes. 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.	

Other Tower Expenses Not Listed

Outside	Section	Question	Response
Professional	I 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
Topographic Survey	Required for new interim transmitter building container (shared cost with WJXT).
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.
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 WJXT).

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 WJXT).
Environmental Impact Study	Study conducted due to presence of visible mold in existing interim building. Building determined to be uninhabitable (shared cost with WJXT).
Geotechnical Report	Required for new interim transmitter building container (shared cost with WJXT).
Intermod Study at Interim Site	Tower owner requires an intermod study (see attached quote from InSite Towers, LLC)

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	Other Expenses Not Listed		
	Name	Description	
	STL System	Microwave dish required for interim studio to transmitter link (STL) to be operated up to 21 months. Receiver, waveguide, licensing, etc. required for interim STL. See attached STL quotes.	
	Sales Tax	Sales Tax	

Transmitters

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmitter THU9EVO-20	\$1,791,310.00	\$1,658,410.03		\$183,410.60	
Split Configuration	\$3,950.00	\$3,950.00	See attached Rohde & Schwarz quote	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 WCWJ interim transmitter.	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)	\$59,530.00	N/A
Required Extra Glycose	\$12,000.00	\$12,000.00	See Rohde & Schwarz quote for WCWJ 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 WCWJ interim transmitter.	\$567.10	N/A
Transmitter Interconnect	\$9,600.00	\$9,600.00	See attached Rohde & Schwarz quote	N/A	N/A

10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
			\$254,643.50.		
			costs equates to		
			Shared		
			\$64,347).		
			(\$444,940 +		
			\$509,287		
			building is		
			450 sq ft		
			for a new		
			Structures		
			& Advantage		
			Engineering		
			Osborn		
			quotes from		
			Attached		
			provided.		
			must be		
			building		
			that new		
			tower) states		
Size: 450.0			(interim		
Addition			InSite Tower		
Building		·	letter from		
Other	\$254,643.50	\$254,643.50	Attached	N/A	N/A
switching					
including					
RF system					
UHF inside	\$147,500.00	\$140,000.00	N/A	N/A	N/A
			44010		
			quote		
			Schwarz		
Reject Load			Rohde &		
Poinct Load		\$10,112.50	attached		

Other Electrical Service: Other electrical services will be required for transmitter building at the alternate site for the interim facility to operate while the tower is being dismantled and through the assigned phase. See lease, bldg & elec quotes.	\$88,054.00	\$88,054.00	Jacksonville Electric Authority (JEA) services must be retained in order to modify on- site transformer to provide required service to new interim building (container). Also see attached quotes.	\$88,054.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$26,000.00	\$24,500.00	N/A	N/A	N/A
Transformer 3 phase /480v - 500 KVA	\$48,400.00	\$46,000.00	N/A	\$5,559.50	N/A

UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	\$947,000.00	\$830,000.03	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
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$29,700.00	N/A
Primary Transmitter THU9EVO-40	\$2,189,912.50	\$1,663,212.50		\$0.00	
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
8-Pole Mask Filter	\$177,200.00	\$177,200.00	8-pol mask filter required due to 1st- adjacent station issue. See attached Rohde &	N/A	N/A

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
Other Electrical Service: Other electrical services required since WCWJ is moving to the WJXT site and will have to be interfaces with the electrical in the WJXT transmitter building.	\$25,000.00	\$25,000.00	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
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	\$1,788,000.00	\$1,283,400.00	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	\$20,000.00	See attached Rohde & Schwarz quote.	N/A	N/A
10 Ton system	\$38,900.00	\$37,000.00	N/A	N/A	N/A
Auxiliary Transmitter TMU9	\$301,200.00	\$249,465.01		\$0.00	
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	\$126,000.00	\$74,565.01	See attached Rohde & Schwarz quote.	N/A	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,900.00	N/A	N/A	N/A
Other Electrical Service: Disconnect existing transmitter and connect new transmitter after installation	\$5,000.00	\$5,000.00	N/A	N/A	N/A
Standby Exciter and Switch	\$25,000.00	\$25,000.00	N/A	N/A	N/A
Additional Interior RF System	\$140,000.00	\$140,000.00	N/A	N/A	N/A
Sub-total	\$4,282,422.50	\$3,571,087.54	N/A	\$183,410.60	N/A
Total for all	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Actual Information Description	File Name	
Split Configuration	Information not provided.	
Cooling Pumps Stacking Kit	Information not provided.	
Back-up Generator		
	Component Description:	Diesel Serv-Supp inv #110000051 Backup Generator UL20180905jgv1 50% to WCWJ 50% to WJXT
	Amount:	\$50,375.00
	Component Description:	WCWJ R&S inv #9500083890 Interim Electrical temporary generator
	Amount:	UL20180731jgv1 \$9,155.00
Required Extra Glycose	Information not provided.	
Additional RF Components	Component Description:	WCWJ R&S inv #9500083873 Interim Elbow
	Amount:	UL20180725jgv1 \$567.10
Transmitter Interconnect	Information not provided.	
50 kW Reject Load	Information not provided.	
UHF inside RF system including switching	Information not provided.	
Other Building Addition Size: 450.0	Information not provided.	

10 Ton system	Information not provided.	
Other Electrical Service: Other electrical services will be required for transmitter building at the alternate site for the interim facility to operate	Component Description:	WCWJ R&S inv #9500083890 Interim Electrical installation UL20180731jgv1
while the tower is being dismantled and through the assigned phase. See	Amount:	\$78,570.00
lease, bldg & elec quotes.	Component Description:	WCWJ R&S inv #9500083847 Interim Main Panel UL20180725jgv1
	Amount:	\$9,484.00
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.	
Transformer 3 phase/480v - 500 KVA	Component Description: Amount:	Coffman Elec inv #131850E Automatic Transfer Switch UL20180905jgv1 50% to WCWJ 50% to WJXT \$5,559.50
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	Information not provided.	
Service entrance 3 phase /800 amp/208 volt	Information not provided.	
Switchgear - industrial 800 amp	Component Description:	WCWJ R&S inv #9500083890 Interim Electrical switchgear
	Amount:	UL20180731jgv1 \$29,700.00
Standby Exciter and Switch	Information not provided.	

1	
Switch	Information not provided.
8-Pole Mask Filter	Information not provided.
50 kW Reject Load	Information not provided.
Other Electrical Service: Other electrical services required since WCWJ is moving to the WJXT site and will have to be interfaces with the electrical in the WJXT transmitter building.	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW	Information not provided.
Switchgear - industrial 800 amp	Information not provided.
Transformer 3 phase/480v - 300 KVA	Information not provided.
10 Ton system	Information not provided.
UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW	Information not provided.
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.
Other Electrical Service: Disconnect existing transmitter and connect new transmitter after installation	Information not provided.
Standby Exciter and Switch	Information not provided.
Additional Interior RF System	Information not provided.

Antennas

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justificatio
Interim Antenna TFU-25ETT- R O6T170	\$275,830.00	\$221,912.00		\$95,450.40	
Shipping	\$9,800.00	\$9,800.00	N/A	N/A	N/A
UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized	\$247,000.00	\$194,728.00	See attached Dielectric Quote.	\$87,627.60	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$2,880.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$10,984.00	See attached Dielectric Quote.	\$4,942.80	N/A
Primary Antenna TFU-24GTH /VP-R TC O6SP	\$376,877.50	\$319,077.50		\$117,169.87	

Antenna adapter	\$10,736.00	\$10,736.00	Cost: \$21,472; however, it is shared cost with WJXT, therefore, cost for WCWJ is \$10,736. See attached Dielectric Quote.	\$4,831.20	N/A
Shipping	\$4,900.00	\$4,900.00	Cost: \$9,800; however, it is shared cost with WJXT therefore, cost for WCWJ 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 WJXT, therefore, cost for WCWJ is \$76,315. See attached Dielectric Quote.	\$34,341.75	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 WJXT, therefore, cost for WCWJ is \$8,880. See attached Dielectric Quote.	\$3,996.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$40,000.00	Shared cost with WJXT	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$3,200.00	Shared cost with WJXT	\$1,440.00	N/A
UHF - High Power Top Mount Two Station antenna elliptically or circularly polarized	\$175,046.50	\$175,046.50	Cost: \$350,093; however, it is shared cost with WJXT, therefore, cost for WCWJ is \$175,046.50. See attached Dielectric Quote.	\$72,560.92	N/A
Sub-total	\$652,707.50	\$540,989.50	N/A	\$212,620.27	N/A
Total for all systems	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Actual Information Description	File Name
Shipping	Information not provided.

Sweep test of existing antenna	Amount: Component Description:	UL20180503jgv1 \$87,627.60 Inv MAN00266 WCWJ Interim sweep test 45%
	Amount:	down payment UL20180503jgv1 \$2,880.00
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	Component Description: Amount:	Inv MAN00266 WCWJ Interim elbow complex 45% down payment UL20180503jgv1 \$4,942.80
Antenna adapter	Component Description: Amount:	Inv MAN00214 WCWJ WJXT Primary ant adapter UL20180718jgv2 \$4,831.20
Shipping	Information not provided.	
Extension Pole	Component Description:	Inv MAN00214 WCWJ WJXT Prim ant ext pole
	Amount:	UL20180718jgv2 \$34,341.75

Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)	Component Description:	Inv MAN00214 WCWJ WJXT Elbow complex
	Amount:	UL20180718jgv \$3,996.00
New combiner, cost per channel (without antenna)	Information not provided.	
Sweep test of existing antenna	Component Description:	Inv MAN00214 WCWJ WJXT
		Sweep
	Amount:	UL20180718jgv: \$1,440.00
UHF - High Power Top		
Mount Two Station antenna elliptically or	Component Description:	Inv MAN00214
circularly polarized		WCWJ WJXT
, , , , , , , , , , , , , , , , , , ,		Primary antenna
	Amount:	UL20180718jgv2
	Amount:	\$72,560.92

Transmission Line

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Interim Transmission Line	\$227,600.00	\$167,515.50		\$72,951.98	
Rigid Transmission Line - copper, 6 1/8"	\$222,200.00	\$162,115.50	See Dielectric quote for WCWJ interim facility.	\$72,951.98	N/A
Shipping	\$5,400.00	\$5,400.00	N/A	N/A	N/A
Primary Transmission Line	\$465,745.00	\$161,956.20		\$70,675.29	
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	\$460,845.00	\$157,056.20	Cost:	\$70,675.29	N/A
Transmission			\$291,274.40;		
Line -			however, it is		
copper, 8 3			shared cost		
/16"			with WJXT,		
broadband			therefore,		
			cost for		
			WCWJ is		
			\$145,637.20.		
			See		
			attached		
			Dielectric		
			Quote. The		
			\$22,838.00		
			Feed		
			Through was		
			erroneously		
			omitted, so		
			the total has		
			been		
			increased by		
			50%		
			(\$11,419.00)		
			to		
			\$157,056.20		
Sub-total	\$693,345.00	\$329,471.70	N/A	\$143,627.27	N/A
Total for all systems	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Actual Information Description	File Name	
Rigid Transmission Line - copper, 6 1/8"	Component Description: Amount:	Inv MAN00266 WCWJ Interim line 45% down payment UL20180503jgv1 \$72,951.98
Shipping	Information not provided.	
Shipping	Information not provided.	

Rigid Transmission Line - copper, 8 3/16" broadband	Component Description:	Inv MAN00214 WCWJ WJXT Transmission line
	Amount:	UL20180718jgv2 \$63,743.94
	Component Description:	Inv MAN00214 WCWJ WJXT Feed thru
	Amount:	UL20180718jgv2 \$5,138.55
	Component Description:	Inv MAN00214 WCWJ WJXT TLSCRs
	Amount:	UL20180718jgv2 \$1,792.80

Tower Equipment and Rigging Costs

Cost Information

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificatic
Primary Tower TOWER	\$1,259,128.00	\$1,209,176.00		\$661,045.46	
Tower Helicopter Lift	\$738,128.00	\$738,128.00	Instead of building a new tower, the WCWJ tower will be dismantled. See attached ERI quote. This cost is for the helicopter lifts required (17 days) to dismantle the tower which has a 37 percent guy radius and guy wires that cross residential streets.	\$655,826.71	N/A
Tower Mapping	\$25,000.00	\$25,000.00	N/A	\$5,218.75	N/A
Helicopter Site Staging Requirement	\$75,000.00	\$75,000.00	Clearing required in preparation to dismantlement of the WCWJ tower (instead of building a new tower).	N/A	N/A

Auxiliary Tower TOWER	\$775,400.00	\$557,500.00		\$2,000.00	
			quote.		
			See ERI		
			dismantled.		
			be		
			tower, it will		
			Instead of building a new		
			the standards.		
			to comply with		
			be upgraded		
			tower cannot		
			states that		
			analysis		
antennas)			222-G. The		
stacked			invoke EIA-		
and/or			are made that		
candelabras			when changes		
those with			the tower fails		
example,			indicates that		
i ower (includes, for			structural analysis		
Complex Tower	\$421,000.00	\$371,048.00	A recent	N/A	N/A
			cost-savings to the FCC.		
			significant		
			providing		
			with WJXT		
			will collocate		
			and WCWJ		
			dismantled		
			tower will be		
			quote). WCWJ		
			(see ERI		
			\$2,586,115.00		
			WCWJ is		
			replacement tower for		

Remove Interim Equipment	\$200,000.00	\$200,000.00	Interim tower must be rigged after assigned phase is complete in order to have interim antenna, line, STL & waveguide removed from tower and disposed. Old pre-auction top-mount antenna belonging to tower owner must be reinstalled to maintain FAA height.	N/A	N/A
Tall Tower (greater than 500')	\$210,500.00	\$100,000.00	Shared expense with WJXT	N/A	N/A
Minor tower reinforcement /modifications	\$158,000.00	\$75,000.00	Shared cost with WJXT	N/A	N/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 cost with WJXT	N/A	N/A

Interim Tower Lease	\$168,000.00	\$168,000.00	See attached InSite Tower LLC quote. Costs are based on leasing space on the interim tower for 21 months at \$8,000 per month.	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
Primary Tower	\$1,070,942.00	\$711,465.00		\$0.00	
Tower Helicopter Lift	\$73,500.00	\$73,500.00	See attached Erickson quote for \$147,000. The WJXT tower has history of using helicopter lifts since it is a complex candelabra. Shared expense with WJXT; therefore cost is \$73,500.	N/A	N/A
Foundation Expansion	\$91,642.00	\$91,642.00	Quote is for \$183,284. Shared expense with WJXT;	N/A	N/A

Helicopter Site Staging Requirement	\$37,500.00	\$37,500.00	See attached 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 WJXT is \$37,500.	N/A	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	N/A	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$283,823.00	Actual costs: \$477,646 for main antenna install. Since main antenna is shared with WJXT, the main antenna install cost for WCWJ is \$238,823. See attached ERI quote.	N/A	N/A

Major tower reinforcement /modifications	\$421,000.00	\$200,000.00	Costs for WCWJ tower mods are a shared expense with WJXT.	N/A	N/A
Sub-total	\$3,105,470.00	\$2,478,141.00	N/A	\$663,045.46	N/A
Total for all systems	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Actual Information Description	File Name	
Tower Helicopter Lift		
	Component Description:	WCWJ ERI inv #WCWJ-007 Tower
		removal final 10 pct
		pmt 3 UL20180910jgv1
	Amount:	\$64,926.71
	Component Description:	WCWJ ERI inv
		#WCWJ-002 Tower
		removal UL20180831jgv2
	Amount:	\$325,350.00
	Component Description:	WCWJ ERI inv
		#WCWJ-003 Tower
		removal 40 pct pmt 2
		UL20180910jgv1
	Amount:	\$265,550.00

Tower Mapping		
	Component Description:	Inv 947-05 Tower
		mapping
		UL20180712jgv2
		50% to WCWJ 50%
		to WJXT
	Amount:	\$3,687.50
	Component Description:	Inv
		FL952GRA142287 WCWJ Climbing Inspection UL20180605jgv2 50% to WCWJ 50%
	Amount:	to WJXT \$1,531.25
Helicopter Site Staging Requirement	Information not provided.	
New tower	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Remove Interim Equipment	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	Information not provided.	
preparation of documentation necessary for tower load study		

Structural engineering tower load study for well documented tower	Component Description:	Inv FL952GRARADIO WJXT Structural Analysis UL20180521jgv2 50% to WJXT 50% to WCWJ \$2,000.00
Tower Helicopter Lift	Information not provided.	
Foundation Expansion	Information not provided.	
Helicopter Site Staging Requirement	Information not provided.	
Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study	Information not provided.	
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	Information not provided.	
Major tower reinforcement /modifications	Information not provided.	

Outside Professional Services

Cost Information

Description Outside Professional Services	Predetermined Cost Estimate \$549,135.00	Estimated Cost \$523,875.00	Estimated Cost Justification	Actual Cost \$2,557.50	Actual Cos Justificatio
Intermod Study at Interim Site	\$500.00	\$500.00	See attached InSite Tower LLC quote for required study. Shared cost with WJXT.	N/A	N/A
Geotechnical Report	\$2,035.00	\$2,035.00	Shared cost with WJXT	N/A	N/A
Environmental Impact Study	\$2,420.00	\$2,420.00	Shared cost with WJXT	N/A	N/A
Osborn Engineering Main Transmitter Facility	\$8,590.00	\$8,590.00	Shared cost with WJXT.	N/A	N/A
Osborn Engineering Examination of Interim Site	\$51,710.00	\$51,710.00	Shared cost with WJXT. See attached Osborn Engineering quote.	N/A	N/A

01		007 500 00	_	N1/A	
Other	\$97,500.00	\$97,500.00	Fewer	N/A	N/A
Engineering			Project		
Services			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.		
Topographic	\$870.00	\$870.00	Shared cost	N/A	N/A
Survey			with WJXT		
Additional Field	\$90,000.00	\$90,000.00	N/A	N/A	N/A
Engineering					
Service, 45					
Days					
RF Exposure	\$21,050.00	\$10,000.00	Shared	N/A	N/A
Measurements	. ,	,	expense		
			with WJXT		
Comprehensive	\$84,200.00	\$80,000.00	N/A	N/A	N/A
coverage					
verification via					
field study, if					
needed					

FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	\$2,105.00	\$2,000.00	N/A	N/A	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	N/A	N/A
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	\$10,520.00	\$10,000.00	N/A	N/A	N/A
NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	N/A	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$3,500.00	N/A	N/A	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$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
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A

Project management of the transition	\$134,300.00	\$127,500.00	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	\$2,557.50	N/A
			new OES category has been created & funded with the money removed		
			from PM.		
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Sub-total	\$549,135.00	\$523,875.00	N/A	\$2,557.50	N/A
Total for all systems	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Components

Actual Information Description	File Name
Intermod Study at Interim Site	Information not provided.
Geotechnical Report	Information not provided.

Environmental Impact Study	Information not provided.
Osborn Engineering Main Transmitter Facility	Information not provided.
Osborn Engineering Examination of Interim Site	Information not provided.
Other Engineering Services	Information not provided.
Topographic Survey	Information not provided.
Additional Field Engineering Service, 45 Days	Information not provided.
RF Exposure Measurements	Information not provided.
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.
ASR modification (prepare FCC Form 854)	Information not provided.
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Information not provided.
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.	
Prepare and or review reimbursement form	Information not provided.	
Project management of the transition	Component Description: Amount:	Inv 947-31 WCWJ PM 387 2017 Q4 UL20180621jgv1 \$300.00
	Component Description:	KGA inv #947-23
		Project Management UL20180726jgv1 50% to WCWJ 50% to WJXT

Address transition timing	Information not provided.
and coordination issues w/	
other stations and wireless	

Other Expenses

Cost Information

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

	Predetermined	Estimated	Estimated Cost		Actual C
Description	Cost Estimate	Cost	Justification	Actual Cost	Justifica
Other Expenses	\$199,653.38	\$199,098.38		\$9,264.10	
Sales Tax	\$7,145.50	\$7,145.50	Sales tax on any purchases where it is charged will be added to this component, with the cost adjusted upward accordingly.	\$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 \$43,762.75.	N/A	N/A
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/A

Equipment Storage	\$25,000.00	\$25,000.00	N/A	\$995.10	N/A
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
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
Sub-total	\$199,653.38	\$199,098.38	N/A	\$9,264.10	N/A
Total for all systems	\$9,482,733.38	\$7,642,663.12	N/A	\$1,214,525.20	N/A

Components

Actual Information Description	File Name	
Sales Tax		
	Component Description:	WCWJ R&S inv
		#9500083890
		Interim Electrical
		sales tax
		UL20180731jgv1
	Amount:	\$7,145.50
CTI Sustem	Information not provided	
STL System	Information not provided.	

MVPD Notification of Channel Change	Information not provided.	
Develop and air announcement of upcoming channel change	Information not provided.	
Equipment Storage		
	Component Description:	WCWJ R&S inv #9500083842 Storage containe
	Amount:	UL20180723jgv1 \$995.10
Equipment Delivery and Handling Charges	Information not provided.	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	WCWJ R&S inv #9500083843 Dumpster
	Amount:	UL20180725jgv1 \$1,123.50
DTV Medical Facility Notification	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Local Zoning	Information not provided.	
Non-zoning permits	Information not provided.	

Cost	Grand Total				
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost	
	Total for all systems	\$9,482,733.38	\$7,642,663.12	\$1,214,525.20	

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

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 09/10/2018

Certification	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).	
		 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. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. 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).
- 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. 	
a n	declare, under penalty of perjury, that I am in authorized representative of the above- named applicant for the Authorization(s) pecified above.	Jeffrey C Gehman <i>Engineering</i> <i>Associate</i>
		09/10/2018

Attachments