



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **68549** | Service: **DCA** | Call **WOHL-CD** | Channel: **15 (UHF)**
ID:
File **0000028557**
Number:
FRN: **0018282269** | Date **04/29**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WEST CENTRAL OHIO BROADCASTING, INC.	Fred Vobbe 1424 RICE AVENUE LIMA, OH 45805 United States	+1 (419) 228-8835	fvoebbe@wllo. com	Corporation

Reimbursement Contact Information

Reimbursement Contact Name and Information

Applicant	Address	Phone	Email
[Confidential]			

Preparer Contact Information

Preparer Contact Name and Information

Applicant	Address	Phone	Email
Frederick R Vobbe <i>VP and Chief Operator</i> <i>West Central Ohio Broadcasting,</i> <i>Inc.</i>	Frederick R Vobbe 1424 Rice Avenue Lima, OH 45805 United States	+1 (419) 228- 8835	fvoebbe@wllo. com

**Broadcaster
Information
and
Transition
Plan**

Question		Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.		Yes
Briefly describe transition plan		WOHL-CD will require a new transmitter site as the present tower failed structural analysis. The FCC has before them WOHL's Request for Waiver of Initial Construction Permit Filing Deadline, granted 7/12/17.

Transmitters

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

**Primary
Transmitter**

Existing Transmitter Information

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	
	Model	LU500BTD
	Year	2009
	Type	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	.5 kW

**Primary
Transmitter**

New Transmitter Costs

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	ULXTE-16
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	6.58 kW
	Justification for New Transmitter	WOHL's present transmitter can not make the TPO needed for 100% replication of service contour.

**Primary
Transmitter**

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	500 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches

	Length	100.0 feet
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Heating and Cooling
	Size	20 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leasehold improvement?	Yes
	Size	1600.0 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

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Electrical	Parallel Surge Supressor and a 75 Kva Transformer three phase 480vDelta Primary
Generator	Generator plus Installation and supporting construction within new transmitter site.
New Transmitter Site	WOHL-CD will need to move from the present transmitter site to a new site. A building to house the transmitter will be required.
Remote ControlSystem	Remote Control System
Installation and Proof	Installation of Transmitter system

Shipping Expense	Shipping expense for transmitter
State and local sales tax	State and Local sales tax

Antennas

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

**Primary
Antenna**

Existing Antenna Information

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	No
Existing Antenna Manufacturer and Type	Class	Class A
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	9.0 kW

Manufacturer	
Model	TFU-30JA
Year	1986

Primary
Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	No
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Class A
	Mounting	Top Mount
	Antenna position in stack	Top
	Polarization	Circular
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	11.5 kW
	Manufacturer	

Model	ATW6H3-CTO-15H
Year	2017
Justification for New Antenna	WOHL-CD will move to a new tower site due to structural issues on the present tower. New antenna is circular polarized, difference of \$15,500 from the cost of a horizontally polarized antenna.

Primary Antenna

Other Antenna Costs

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

	Feed Line Size	3 1/8 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

**Primary
Antenna**

Other Antenna Cost Not Listed

Name	Description
RF Switch	RF switch to change transmitter from antenna to dummy load for testing.
Shipping cost	Shipping cost
Custom Antenna Mounts	Custom top mounts

Transmission Line

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

**Primary
Transmission Line**

Existing Transmission Line

Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is 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	
	Type	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	560 feet per run

Primary
Transmission Line

New Transmission 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
	Type	Rigid
	Diameter	3 1/8 inches
	Other Diameter	N/A
	Segment Length	20 inches
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	650 feet per run
	Justification for New Transmission Line	WOHL-CD will move to a new transmitter site because of structural problems with present tower.

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Ice Bridge	Transmission line will need to be supported between tower and building and protected from ice fall.

Gas Barrier	Transmission line will need to be pressurized from antenna to bldg.
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Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Construct New
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Is this tower consider Complex?	No
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1014519
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	40° 44' 51.2" N-
	Longitude (NAD83)	084° 07' 54.3" W-
	Overall Structure Height	548.88 feet
	Support Structure Height	499.99 feet
	Ground Elevation Above Mean Sea Level (AMSL)	870.07 feet
	Structure Type	TOWER - Free Standing or Guyed Structure

	Tower Owner	LIMA COMMUNICATIONS CORPORATION
	Date Constructed	12/01/2004

**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
37503	WLIO	DTV

Primary
Tower

Tower Construction Costs

Section	Question	Response
Construct New Tower	Use	Primary (Main)
	Description of Use	N/A
	Is this a request for upgraded equipment?	Yes
	Height	538.50 feet
	Justification for New Tower	WOHL-CD is moving to a new tower, and site. The present tower did not pass analysis. There is no land at present location to build new tower, which is in urban /residential area.

Primary
Tower

Tower Rigging Costs

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

Primary
Tower

Other Tower Expenses Not Listed

Name	Description
Shipping cost	Shipping cost

STL Antenna-Installation cost	WOHL-CD will require an STL to feed programming to and to control the transmitter. A TSL is needed to return News ENG program streams along with metering and status data from transmitter, and security monitoring.
Ground System	Upgraded ground system, 100' x 100' to prevent lightning damage.
Tower Structure Analysis	Structure analysis of existing tower

**Outside
Professional**

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	1000
	Explanation	WOHL will move to a new location, and build a new tower. To obtain replication of coverage, the station will have to undergo comprehensive engineering and legal analysis, and testing during the construction.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	Do you have Distributed Transmission System engineering services?	N/A

	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	2
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	No
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside
Professional

Other Professional Services Expenses Not Listed

Services Costs

Name	Description
Attorney Fees and Other Matters	Legal Counsel
Construction Site Project MGMT	The Lathrop Company project management
Microwave License Study	The STL will require a path study for coordination of license.
Public Utility Analysis	Transmitter site must have proper power and telco services at new site.
RF Consultant D. Everist	RF Consultant that files engineering studies on behalf of WOHL-CD
Site Survey	Location site survey

**Other
Expenses**

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

**Other
Expenses**

Other Expenses Not Listed

Name	Description
STL-TSL system	6/7 Ghz microwave receive transmitter, receiver, antennas and transmission lines to link the studio the new transmitter site
Field Strength Tests	WOHL will conduct field signal tests on present channel, and repacked channel to make sure signal meets service contour.
Generator	WOHL's transmitter presently shares a generator with the studios and offices of WOHL. The move would leave WOHL without backup power in an emergency.
IP Switch for STL-TSL system	Switch control for the transmitter
Microwave Receive Site ENG	WOHL will need to construct q new ENG Microwave Receive system and place it in service before the old site can be decommissioned due to public and network commitments to news.
Translator	Fill in for coverage lost on move.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Justification
Primary Transmitter ULXTE-16	\$2,441,385.98	\$2,406,581.67		\$1,624,502.62	
Other -- Building Addition Size: 1600.0	<i>\$627,263.56</i>	\$627,263.56	Please see attached RA Flynn Quote and RA Flynn Change orders 84503, 84504, 84845, and 84846 for transmitter room addition costs (less HVAC and Generator Costs); KEI Estimate #18-8020	\$626,543.01	N/A
State and local sales tax	<i>\$31,743.86</i>	\$31,743.86	N/A	\$0.00	N/A
Shipping Expense	<i>\$5,400.00</i>	\$5,400.00	N/A	\$0.00	N/A
Installation and Proof	<i>\$31,616.00</i>	\$31,616.00	N/A	\$8,922.08	N/A
Remote ControlSystem	<i>\$9,190.50</i>	\$9,190.50	N/A	\$0.00	N/A
New Transmitter Site	<i>\$1,022,821.10</i>	\$1,022,821.10	Purchase price of land for new transmitter site. See Settlement Statement.	\$855,154.75	N/A
Generator	<i>\$160,940.00</i>	\$160,940.00	Please see attached RA Flynn Quote	N/A	N/A
Electrical	<i>\$4,226.38</i>	\$4,226.38	N/A	\$0.00	N/A

UHF - Liquid Cooled Solid State Transmitter 6.58 kW	\$326,484.58	\$326,484.58	N/A	\$56,180.32	N
Switchgear - industrial 800 amp	\$38,200.00	\$36,000.00	N/A	\$0.00	N
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,500.00	N/A	\$0.00	N
Transformer 3 phase/480v - 500 KVA	\$48,400.00	\$14,017.69	Please see American Electric Power Contract No DWMS00000451497 and Purchase Order 8952	\$14,017.69	N
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,750.00	N/A	\$0.00	N
20 Ton system	\$115,500.00	\$118,628.00	Please see attached RA Flynn Quote	\$63,684.77	N
Sub-total	\$2,441,385.98	\$2,406,581.67	N/A	\$1,624,502.62	N
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N

Components

Actual Information	
Description	File Name
Other -- Building Addition Size: 1600.0	Component Description: Amount: 1st draw for new transmitter building \$138,909.00
	Component Description: Amount: Material and Labor \$162,890.47

Component Description:	Change order #1 - Add two course of block to top of building for more interior clearance under bar joint.
Amount:	\$3,188.50

Component Description:	CHANGE ORDER #3 - 14' X 23' X 8' SLAB ON GRADE WITH 4" REBAR
Amount:	\$4,353.00

Component Description:	"CHANGE ORDER #4 - MATERIAL AND LABOR TO EXTEND ALL WALLS TO BOTTOM OR ROOF DECK AND ADD 16"" OF ADDITIONAL BUILDING HEIGHT"
Amount:	\$7,698.00

Component Description:	Special Cleaning
Amount:	\$266.88

Component Description:	HVAC, Plumbing
Amount:	\$53,299.75

Component Description:	4TH DRAW FOR MATERIAL AND LABOR FOR
Amount:	\$111,278.90

Component Description:	444PC Mech
Amount:	\$720.55

	Component Description: change order #2 develop stone roadways from new building to three guy wire foundation locations. Amount: \$13,423.61
	Component Description: 3rd draw for materials and labor for new transmitter building Amount: \$131,234.90
State and local sales tax	Information not provided.
Shipping Expense	Information not provided.
Installation and Proof	Component Description: WOHL-110-1st Primary Transmitter - Installation and Proof of Performance Amount: \$8,922.08
Remote ControlSystem	Information not provided.
New Transmitter Site	Component Description: Settlement Statement for New Transmitter site Amount: \$855,154.75
Generator	Component Description: WOHL-110-1st Primary Transmitter - Other Electrical Costs Not Listed - Generator Amount: \$9,324.25
Electrical	Information not provided.

UHF - Liquid Cooled Solid State Transmitter 6.58 kW	<table> <tr> <td data-bbox="703 174 1007 208">Component Description:</td><td data-bbox="1145 174 1347 360">FASPCH150PG CABLOFIL INC 6 IN FAS CENTER HANGER PRE- GALVANIZED</td></tr> <tr> <td data-bbox="703 376 810 409">Amount:</td><td data-bbox="1145 376 1225 409">\$92.65</td></tr> <tr> <td data-bbox="703 517 1007 551">Component Description:</td><td data-bbox="1145 517 1358 551">1/3 down payment</td></tr> <tr> <td data-bbox="703 555 810 589">Amount:</td><td data-bbox="1145 555 1278 589">\$55,995.63</td></tr> <tr> <td data-bbox="703 696 1007 730">Component Description:</td><td data-bbox="1145 696 1369 842">CF54/100EZ CABLOFIL INC 2IN X 4IN CABLE TRAY ZINC</td></tr> <tr> <td data-bbox="703 853 810 887">Amount:</td><td data-bbox="1145 853 1225 887">\$92.04</td></tr> </table>	Component Description:	FASPCH150PG CABLOFIL INC 6 IN FAS CENTER HANGER PRE- GALVANIZED	Amount:	\$92.65	Component Description:	1/3 down payment	Amount:	\$55,995.63	Component Description:	CF54/100EZ CABLOFIL INC 2IN X 4IN CABLE TRAY ZINC	Amount:	\$92.04
Component Description:	FASPCH150PG CABLOFIL INC 6 IN FAS CENTER HANGER PRE- GALVANIZED												
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Amount:	\$55,995.63												
Component Description:	CF54/100EZ CABLOFIL INC 2IN X 4IN CABLE TRAY ZINC												
Amount:	\$92.04												
Switchgear - industrial 800 amp	Information not provided.												
Service entrance 3 phase /800 amp/208 volt	Information not provided.												
Transformer 3 phase/480v - 500 KVA	<table> <tr> <td data-bbox="703 1249 1007 1283">Component Description:</td><td data-bbox="1145 1249 1358 1435">Install #2 AL 3 Phase UG primary and 500 KVA 120 /208V padmount transformer</td></tr> <tr> <td data-bbox="703 1451 810 1485">Amount:</td><td data-bbox="1145 1451 1278 1485">\$14,017.69</td></tr> </table>	Component Description:	Install #2 AL 3 Phase UG primary and 500 KVA 120 /208V padmount transformer	Amount:	\$14,017.69								
Component Description:	Install #2 AL 3 Phase UG primary and 500 KVA 120 /208V padmount transformer												
Amount:	\$14,017.69												
3" Rigid Conduit and Wiring (Cost per foot)	Information not provided.												

20 Ton system	Component Description:	WOHL-110-1st Primary Transmitter - 20 Ton System
	Amount:	\$44,684.77
	Component Description:	WOHL-110-1st Primary Transmitter - 20 Ton System
	Amount:	\$19,000.00

Cost
Information

Antennas

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna ATW6H3- CTO-15H	\$232,937.85	\$232,257.85		\$6,191.50	
UHF - Lower Power, Top Mount, Class A, basic slot antenna, 12 kW input, elliptically or circularly polarized	<i>\$202,837.70</i>	\$202,837.70	N/A	N/A	N/A
Sweep test of existing antenna	\$6,730.00	\$6,250.00	N/A	\$0.00	N/A
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	\$7,600.00	\$7,400.00	N/A	\$0.00	N/A
Shipping cost	<i>\$2,963.65</i>	\$2,963.65	N/A	\$0.00	N/A
RF Switch	<i>\$6,615.00</i>	\$6,615.00	N/A	\$0.00	N/A

Custom Antenna Mounts	\$6,191.50	\$6,191.50	N/A	\$6,191.50	N/A
Sub-total	\$232,937.85	\$232,257.85	N/A	\$6,191.50	N/A
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N/A

Components

Actual Information	
Description	File Name
UHF - Lower Power, Top Mount, Class A, basic slot antenna, 12 kW input, elliptically or circularly polarized	Information not provided.
Sweep test of existing antenna	Information not provided.
Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed)	Information not provided.
Shipping cost	Information not provided.
RF Switch	Information not provided.
Custom Antenna Mounts	Component Description: Custom Eng Antenna Mounts Amount: \$3,095.75 Component Description: Custom Eng Antenna Mounts Amount: \$3,095.75

Cost
Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	\$117,244.86	\$96,208.15		\$444.41	
Ice Bridge	<i>\$48,437.86</i>	\$48,437.86	N/A	\$0.00	N/A
Rigid Transmission Line - copper, 3 1/8"	\$67,600.00	\$46,563.29	3-1/8" 50-ohm transmission line	\$444.41	N/A
Gas Barrier	<i>\$1,207.00</i>	\$1,207.00	N/A	\$0.00	N/A
Sub-total	\$117,244.86	\$96,208.15	N/A	\$444.41	N/A
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N/A

Components

Actual Information	
Description	File Name
Ice Bridge	Information not provided.
Rigid Transmission Line - copper, 3 1/8"	Component Description: Feed thru assembly- wall /roof 3-1/8" RL Amount: \$444.41
Gas Barrier	Information not provided.

Cost
Information

Tower Equipment and Rigging Costs

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower TOWER	\$0.00	\$0.00		\$0.00	
Primary Tower	\$1,422,649.66	\$1,256,714.66		\$74,872.18	
New tower	<i>\$941,542.36</i>	\$941,542.36	Please see attached Purchase Order 8866	\$56,154.66	N/A
Tower Structure Analysis	<i>\$20,300.00</i>	\$20,300.00	Please see Malouf invoices 1705093VO, 1705093V1, 1705093VOA, 1805093VO, and 1805093V1	\$12,500.00	N/A
Shipping cost	<i>\$5,387.30</i>	\$5,387.30	N/A	\$0.00	N/A
Ground System	<i>\$23,420.00</i>	\$23,420.00	Additional ground, 120 radials, buried 24", 100' due to history of electrical storms in region.	\$217.52	N/A
STL Antenna-Installation cost	<i>\$11,000.00</i>	\$11,000.00	N/A	\$0.00	N/A

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	\$421,000.00	\$255,065.00	N/A	\$6,000.00	N/A
Sub-total	\$1,422,649.66	\$1,256,714.66	N/A	\$74,872.18	N/A
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N/A

Components

Actual Information	
Description	File Name

New tower	Component Description:		Geotechnical Services
	Amount:		\$4,825.00
	Component Description:		Install vinyl fence with farm gates per proposal #WLI518.
	Amount:		\$4,169.66
	Component Description:		ALTA/NSPS Land Title Survey
	Amount:		\$5,086.00
	Component Description:		Weather Day
	Amount:		\$30,331.50
	Component Description:		Work completed to date on installation of vinyl fence per proposal #WLI518.
	Amount:		\$7,045.50
	Component Description:		Elwer Fence
	Amount:		\$4,697.00

Tower Structure Analysis	Component Description: Perform a Structural Analysis (3rd Scenario) for referenced project. Prepare an Engineering Report. Amount: \$2,000.00
	Component Description: Perform a Structural Analysis for referenced project. Prepare an Engineering Report. Amount: \$2,500.00
	Component Description: Perform a Structural Analysis (2 Scenarios) for referenced project. Prepare an Engineering Report. Amount: \$8,000.00
Shipping cost	Information not provided.
Ground System	Component Description: 615800 Erico International Corporation GR RODPTDCU Amount: \$217.52
STL Antenna-Installation cost	Information not provided.

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	<table><tr><td data-bbox="705 109 1114 600">Component Description:</td><td data-bbox="1114 109 1422 600">Design structural modifications as required by structural analysis results and prepare modification working drawings and Technical Specification Notes</td></tr><tr><td data-bbox="705 600 1114 696">Amount:</td><td data-bbox="1114 600 1422 696">\$6,000.00</td></tr></table>	Component Description:	Design structural modifications as required by structural analysis results and prepare modification working drawings and Technical Specification Notes	Amount:	\$6,000.00
Component Description:	Design structural modifications as required by structural analysis results and prepare modification working drawings and Technical Specification Notes				
Amount:	\$6,000.00				

Cost
Information

Outside Professional Services

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Outside Professional Services	\$650,566.49	\$635,186.49		\$79,218.28	
Site Survey	<i>\$7,536.00</i>	\$7,536.00	Please see the attached invoices from LEWANDOWSKI ENGINEERS, LLC # 16985 and 17313	\$2,450.00	N/A
RF Consultant D. Everist	<i>\$50,000.00</i>	\$50,000.00	N/A	\$0.00	N/A
Construction Site Project MGMT	<i>\$234,750.49</i>	\$234,750.49	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	\$112.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$7,360.00	\$7,000.00	N/A	\$0.00	N/A

NEPA Section 106 environmental review, if needed	\$6,310.00	\$6,000.00	N/A	\$3,300.00	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	\$9,574.20	N/A
ASR modification (prepare FCC Form 854)	\$2,105.00	\$2,000.00	N/A	\$0.00	N/A
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	\$0.00	N/A
Comprehensive coverage verification via field study, if needed	\$84,200.00	\$80,000.00	N/A	\$0.00	N/A
Attorney Fees and Other Matters	\$41,000.00	\$41,000.00	N/A	\$39,284.88	N/A
Microwave License Study	\$7,150.00	\$7,150.00	STL Path, and required coordination notifications. Attached quote does not include Comsearch frequency coordination fee.	\$0.00	N/A

Public Utility Analysis	\$12,500.00	\$12,500.00	Estimate- American Electric Power, Dominion Gas Company and the City of Lima Water Dept. will not provide quotes until the building plans for the new transmitter building have been submitted for approval.	\$0.00	N/A
Project management of the transition	\$158,000.00	\$150,000.00	N/A	\$22,697.20	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	\$0.00	N/A
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$7,000.00	N/A	\$1,800.00	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$0.00	N/A

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
Prepare request for Special Temporary Authorization	\$2,050.00	\$1,500.00	N/A	\$0.00	N/A
Sub-total	\$650,566.49	\$635,186.49	N/A	\$79,218.28	N/A
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N/A

Components

Actual Information	
Description	File Name
Site Survey	Component Description: Senior Design Engineer, CAD Tech. One-Man, OPS Amount: \$1,842.00 Component Description: CAD Tech Amount: \$608.00
RF Consultant D. Everist	Information not provided.
Construction Site Project MGMT	Information not provided.
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Component Description: WOHL-550-Attorney - Construction Permit Application (Main) Amount: \$112.00

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.
Attorney Fees - Prepare and File request for Special Temporary Authorization	Information not provided.
NEPA Section 106 environmental review, if needed	Component Description: WOHL-590-NEPA Section 106 Environmental Review Amount: \$3,300.00
Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet	Component Description: Professional Services Amount: \$7,324.20 Component Description: Terracon Consultants, Inc. - Miscellaneous Amount: \$2,250.00
ASR modification (prepare FCC Form 854)	Information not provided.
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	Information not provided.
Comprehensive coverage verification via field study, if needed	Information not provided.
Attorney Fees and Other Matters	Component Description: Professional services Amount: \$626.00

Component Description:	Professional services
Amount:	\$4,009.50

Component Description:	Fees
Amount:	\$3,609.50

Component Description:	For Professional Services Rendered
Amount:	\$919.50

Component Description:	Professional services
Amount:	\$2,255.00

Component Description:	Professional services
Amount:	\$2,852.50

Component Description:	Professional Services
Amount:	\$5,484.08

Component Description:	Professional services
Amount:	\$4,283.30

Component Description:	For Professional Services Rendered
Amount:	\$618.20

Component Description:	For Professional Services Rendered
Amount:	\$8,103.50

	Component Description: Amount: For Professional Services Rendered \$4,772.50 Component Description: Amount: For Professional Services Rendered \$1,751.30
Microwave License Study	Information not provided.
Public Utility Analysis	Information not provided.
Project management of the transition	Component Description: Amount: Project Management \$1,377.05 Component Description: Amount: Project Management \$1,809.30 Component Description: Amount: Fees \$7,666.00 Component Description: Amount: Project Management \$241.75 Component Description: Amount: Project Management \$2,607.90 Component Description: Amount: Project Management \$1,856.00

	Component Description: Project Management Amount: \$1,548.50
	Component Description: Project Management Amount: \$2,605.05
	Component Description: Project Management Amount: \$1,717.75
	Component Description: Project Management Amount: \$1,267.90
Prepare and or review reimbursement form	Information not provided.
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.
Perform engineering study for new channel assignment and antenna development	Component Description: Perform a Structural Reanalysis for the referenced site(s) for the new scenario. Prepare a Report of Findings. Amount: \$1,800.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	Information not provided.
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.

Prepare request for Special Temporary Authorization	Information not provided.
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Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$527,775.82	\$527,210.82		\$101,786.71	
Translator	<i>\$110,541.40</i>	\$110,541.40	Translator, UHF channel, 15kw, to fill in area lost in coverage due to geographic move of transmitter site, and restriction of overlap of old contour.	\$0.00	N/A
Microwave Receive Site ENG	<i>\$105,924.44</i>	\$105,924.44	N/A	\$0.00	N/A
IP Switch for STL-TSL system	<i>\$1,342.92</i>	\$1,342.92	N/A	\$943.84	N/A
Generator	<i>\$35,950.00</i>	\$35,950.00	Caterpillar 100kw/125kva @ 208/120V diesel generator, and transfer switch.	\$0.00	N/A
Develop and air announcement of upcoming channel change	<i>\$5,000.00</i>	\$5,000.00	N/A	\$0.00	N/A
Equipment Storage	<i>\$6,000.00</i>	\$6,000.00	Power Company	\$0.00	N/A

FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	\$0.00	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$2,996.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$190.00	N/A	\$0.00	N/A
Local Zoning	\$10,000.00	\$10,000.00	Zoning via township and City of Lima (OH)	\$478.00	N/A
Non-zoning permits	\$7,500.00	\$7,500.00	Electrical, plumbing, HVAC, land management, drainage.	\$82.95	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	\$2,100.00	\$2,100.00	Multiple 15yd dumpsters.	\$0.00	N/A
Equipment Delivery and Handling Charges	\$23,582.95	\$23,582.95	Shipping for transmitter, antenna, terminal equipment, and specialized equipment.	\$0.00	N/A
MVPD Notification of Channel Change	\$3,452.00	\$3,452.00	Notification to 13 cable companies, and 14 MATV businesses. DTVNotification #INV-001772	\$2,452.00	N/A

STL-TSL system	\$179,302.11	\$179,302.11	Heartland Video Systems Quote #WISQ55968-02	\$84,833.92	N/A
Field Strength Tests	\$25,000.00	\$25,000.00	Signal measurements made at twelve or more communities comprising WOHL's DMA.	\$10,000.00	N/A
Sub-total	\$527,775.82	\$527,210.82	N/A	\$101,786.71	N/A
Total for all systems	\$5,392,560.66	\$5,154,159.64	N/A	\$1,896,339.95	N/A

Components

Actual Information	
Description	File Name
Translator	Information not provided.
Microwave Receive Site ENG	Information not provided.
IP Switch for STL-TSL system	Component Description: WOHL-610-IP Switch for STL-TSL System Amount: \$422.90 Component Description: Prep & Powder Coat Side Amount: \$520.94
Generator	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Storage	Information not provided.

FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	DTV Notification Service - Notification of Medical Facilities \$2,996.00
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
Local Zoning	Component Description: Amount:	Zoning permit \$478.00
Non-zoning permits	Component Description: Amount:	Commercial Building Application \$82.95
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Equipment Delivery and Handling Charges	Information not provided.	
MVPD Notification of Channel Change	Component Description: Amount:	Notification of Cable and Satellite MVPD Providers of new RF Channel and Transport Stream Parameters on Repack Channel \$2,452.00

STL-TSL system	Component Description: Amount: Interference analysis \$2,775.00 Component Description: Amount: 50% per quoted terms of Original Quote: WISQ46021-11 \$36,742.92 Component Description: Amount: 50% per quoted terms of original quote: WISQ55968-02 \$45,316.00
Field Strength Tests	Component Description: Amount: For professional services rendered \$10,000.00

Cost Information	Grand Total		
		Predetermined Cost Estimate	Estimated Cost
			Actual Cost
	Total for all systems	\$5,392,560.66	\$5,154,159.64
			\$1,896,339.95

Reimbursement Status	Question	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.	
		1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.	

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

Keith Wilkowski
VP, Legal & Governmental Affairs

04/29/2019

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 IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 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) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Keith Wilkowski <i>VP, Legal & Governmental Affairs</i> 04/29/2019

Attachments