Approved by OMB (Office of Management and Budget) 3060-1178

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility ID: **67602** | Service: **DTV** | Call Sign: **WOPX-TV** | Channel: **14 (UHF)**

File Number: **0000028668**

FRN: **0001808468** | Date Submitted: **11/19/2020**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
ION TELEVISION LICENSE, LLC Doing Business As: ION TELEVISION LICENSE, LLC	601 CLEARWATER PARK ROAD WEST PALM BEACH, FL 33401 United States	+1 (561) 682-4110	BIANCAFRYE@IONMEDIA.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
The Preparer is same as the reimbursement contact.			

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.	No
Briefly describe transition plan	Relocate from ASR #1038158 to ASR #1206874. Replace non-retunable transmitter, install side mounted antenna and transmission line to operate on post-repack channel.

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	Millenium
	Year	2002
	Type	Inductive Output Tube
	IOT Power Type	Two
	Power Capacity	40 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	THU9-16 EVO
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	25.5 kW
	Justification for New Transmitter	See attached Transmitter Exhibits. See attached Transmitter Upgrade Disclaimer.

Primary Transmitter

Other Transmitter Costs

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	No
	Size	N/A

	Length	N/A
	Other Electrical Service	No
	Description	N/A
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Type	Cooling Only
	Size	5 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	10

Primary Transmitter

Other Transmitter Cost Not Listed

Name	Description
Removal of existing equipment	Removal of existing transmitters and equipment / Site prep
RF Interconnect	Interconnect between RF System and transmission line

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	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	1000.0 kW

Manufacturer	
Model	TFU-30DSC-RC170
Year	2002

Primary Antenna

New Antenna Costs

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	No
New Antenna Manufacturer and Types	Class	Full Power
	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Type	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	419.0 kW
	Manufacturer	

Model	TFU-24DSC-R C170
Year	2019
Justification for New Antenna	See attached Antenna and Supplemental Antenna Exhibits.

Primary Antenna

Other Antenna Costs

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	
	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	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes
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
Support Pole	Top mount support pole and antenna mounting brackets.
Input Complex	Includes the necessary line sections, hangers, elbows, and engineering design to get the line from inside the tower up through the support pole to the antenna input.

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	1530 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?	No
	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	1580 feet per run
	Justification for New Transmission Line	See attached Antenna Exhibit

Primary Transmission Line

Other Transmission Line Expenses Not Listed

Name	Description
Sweep existing transmission line	Sweep existing transmission line

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

Add 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?	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?	Unknown
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1206874
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	28° 16' 45.3" N-
	Longitude (NAD83)	081° 01' 24.0" W-
	Overall Structure Height	1873.66 feet
	Support Structure Height	1870.71 feet
	Ground Elevation Above Mean Sea Level (AMSL)	74.47 feet

Structure Type	TOWER - Free Standing or Guyed Structure
Tower Owner	IWG Towers Assets II, LLC
Date Constructed	04/17/2000

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
72076	WFTV	DTV

Primary Tower

Tower Modification Costs

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

Primary Tower

Tower Rigging Costs

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

Primary Tower

Other Tower Expenses Not Listed

Name	Description
Structural analysis	Structural analysis

Primary Tower

Existing Tower

Section	Question	Response
Existing Tower Description	Type of change	Move Equipment
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	
	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?	Unknown
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
	ASR Number	1038158
Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	28° 05' 52.5" N-
	Longitude (NAD83)	081° 07' 50.7" W-
	Overall Structure Height	1544.93 feet
	Support Structure Height	1501.95 feet
	Ground Elevation Above Mean Sea Level (AMSL)	82.02 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	SpectraSite Communications, LLC. through American Towers, LLC.

	Date Constructed	12/15/1997

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
Structural Analysis	Structural analysis

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	180
	Explanation	Required by tower landlord
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	1
	NEPA Section 106 environmental review	Yes
	Environmental Assessment	Yes
	ASR Modification	Yes
	FAA Consultation (including preparation of FAA Form 7460)	Yes
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	Yes
	RF exposure measurements	Yes
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

Name	Description
Additional RF Engineering	Additional RF Engineering needed because of channel 14 assignment

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	Yes
	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

Information not provided.

Cost Information

Transmitters

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter THU9-16 EVO	**$1,314,410.00**	**$1,023,323.74**		**$727,612.61**	
RF Interconnect	***$25,000.00***	$25,000.00	N/A	$16,539.69	N/A
Removal of existing equipment	***$27,500.00***	$27,500.00	Please see Skyline Estimate Equipment Removal	$27,500.00	N/A
Additional field engineering time, 10-30 days	$63,100.00	$60,000.00	N/A	$21,432.50	N/A
Channel 14 Mask Filter	$189,500.00	$180,000.00	N/A	N/A	N/A
RF Consulting Engineer	$5,260.00	$3,875.00	Please see attached du Treil invoices with hourly work descriptions.	$3,875.00	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW	$947,000.00	$666,048.24	See attached Rohde and Schwarz transmitter quote.	$616,614.92	N/A
5 Ton system	$20,250.00	$19,250.00	N/A	N/A	N/A

Transformer 3 phase /480v - 300 KVA	$36,800.00	$41,650.50	See attached Florida Electrical Solutions Quote #1.1	$41,650.50	N/A
Sub-total	$1,314,410.00	$1,023,323.74	N/A	$727,612.61	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	File Name

RF Interconnect	**Component Description:**	Cost of equipment needed for RF interconnect. Supporting documentation is attached. This invoice has been paid.
	Amount:	$10,540.39
	Component Description:	Additional equipment needed for RF interconnect. Supporting documentation and cover letter attached. This invoice has been paid.
	Amount:	$4,700.00
	Component Description:	Cost of additional cable needed for RF interconnect. Supporting documentation is attached.
	Amount:	$1,299.30
Removal of existing equipment	**Component Description:**	Cost to remove old transmitter equipment. Supporting documentation is attached.
	Amount:	$27,500.00

Additional field engineering time, 10-30 days	**Component Description:** **Amount:**	Cost of full site survey and drawings for transmitter installation. Supporting documentation is attached. $21,432.50
Channel 14 Mask Filter	Information not provided.	
RF Consulting Engineer	**Component Description:** **Amount:**	Invoice will be re-submitted under Outside Professional Services section. N/A
	Component Description: **Amount:**	RF Consulting Engineering to determine correct mask filter to avoid interference for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid. $5,000.00

	Component Description:	RF Consulting Engineering for channel search for alternate UHF channel options for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid.
	Amount:	$1,875.00
	Component Description:	RF Consulting Engineering to determine correct mask filter to avoid interference for Channel 14 reassignment. Hourly supporting documentation attached. This invoice has been paid.
	Amount:	$2,000.00
	Component Description:	Invoice will be re-submitted under Outside Professional Services section.
	Amount:	N/A
UHF - Liquid Cooled Solid State Transmitter 21 - 31 kW		

Component Description:	Final payment upon proof of performance (less $1,000 deposit) for Rohde & Schwarz transmitter. Supporting documentation attached.
Amount:	$211,072.52
Component Description:	"Deposit" payment on Rohde & Schwarz transmitter. Supporting documentation attached. This invoice has been paid.
Amount:	$1,070.00
Component Description:	3rd "milestone" 35% payment on Rohde & Schwarz transmitter. Explanation of variance and supporting documentation attached. This invoice has been paid.
Amount:	$216,381.60
Component Description:	Cost of frame to stack heat exchangers. Supporting documentation is attached.
Amount:	$2,620.85

	Component Description:	2nd "milestone" 30% payment on Rohde & Schwarz transmitter. Supporting documentation attached. This invoice has been paid.
	Amount:	$185,469.95
5 Ton system	Information not provided.	
Transformer 3 phase/480v - 300 KVA	**Component Description:**	Balance payment for electrical installation of transmitter. Supporting documentation is attached.
	Amount:	$7,072.82
	Component Description:	Progress payment for electrical installation of transmitter. Supporting documentation is attached. This invoice has been paid.
	Amount:	$20,000.00
	Component Description:	35% "deposit" for electrical installation of transmitter. Supporting documentation is attached.
	Amount:	$14,577.68

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 TFU-24DSC-R C170	**$369,465.00**	**$343,678.66**		**$205,893.21**	
Input Complex	***$19,622.00***	$19,622.00	N/A	N/A	N/A
Support Pole	***$118,163.00***	$118,163.00	N/A	N/A	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	$12,300.00	$14,505.50	Please see Dielectric quote #DMS112-4, Dielectric Quote #1930637, and Dielectric Quote #1930633. Plus sales tax	$14,505.05	N/A
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized	$189,500.00	$161,923.70	Please see attached Dielectric Quote #DMS112-4 and Dielectric Quote #1930620. Plus sales tax	$161,923.70	N/A

Side mount brackets for high power antennas (if not included in antenna base cost)	$23,150.00	$23,064.46	N/A	$23,064.46	N/A
Sweep test of existing antenna	$6,730.00	$6,400.00	N/A	$6,400.00	N/A
Sub-total	$369,465.00	$343,678.66	N/A	$205,893.21	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	File Name	
Input Complex	Information not provided.	
Support Pole	Information not provided.	
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	**Component Description:**	Sales tax payment for primary elbow complex kit. Supporting documentation is attached. This invoice has been paid.
	Amount:	$645.55
	Component Description:	Cost of additional equipment for elbow complex. Supporting documentation is attached.
	Amount:	$1,462.50

	Component Description:	65% "prior to shipment" payment for primary elbow complex kit. Supporting documentation is attached.
	Amount:	$6,961.50
	Component Description:	10% "balance after sweep" payment for primary elbow complex kit. Supporting documentation is attached. This invoice has been paid.
	Amount:	$1,071.00
	Component Description:	25% "with order" payment for primary elbow complex kit. Supporting documentation is attached.
	Amount:	$2,677.50
	Component Description:	Cost of additional equipment for elbow complex. Supporting documentation is attached.
	Amount:	$1,687.00
UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized		

Component Description:	65% "prior to shipment" payment for primary antenna. Supporting documentation is attached.
Amount:	$97,938.75
Component Description:	Cost of antenna radome covers. Supporting documentation is attached.
Amount:	$2,142.66
Component Description:	25% "with order" payment for primary antenna. Supporting documentation is attached.
Amount:	$37,668.75
Component Description:	Sales tax payment for main antenna. Supporting documentation is attached. This invoice has been paid.
Amount:	$9,106.04

Component Description:	10% "balance after sweep" payment for primary antenna. Supporting documentation is attached. This invoice has been paid.
Amount:	$15,067.50

Side mount brackets for high power antennas (if not included in antenna base cost)	**Component Description:**	65% "prior to shipment" payment for antenna mounting brackets. Supporting documentation is attached.
	Amount:	$14,137.50
	Component Description:	25% "with order" payment for antenna mounting brackets. Supporting documentation is attached.
	Amount:	$5,437.50
	Component Description:	10% "balance after sweep" payment for antenna mounting brackets. Supporting documentation is attached. This invoice has been paid.
	Amount:	$2,175.00
	Component Description:	Sales tax payment for antenna mounting brackets. Supporting documentation is attached. This invoice has been paid.
	Amount:	$1,314.46

Sweep test of existing antenna	**Component Description:**	10% "balance after repack sweep" payment for primary repack sweep operations. Supporting documentation is attached. This invoice has been paid.
	Amount:	$640.00
	Component Description:	65% "prior to shipment" payment for primary repack sweep operations. Supporting documentation is attached.
	Amount:	$4,160.00
	Component Description:	25% "with order" payment for primary repack sweep operations. Supporting documentation is attached.
	Amount:	$1,600.00

Cost Information

Transmission Line

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmission Line	**$325,560.00**	**$301,264.66**		**$293,242.78**	
Rigid Transmission Line - copper, 6 1/8"	$319,160.00	$294,864.66	Please see attached Dielectric Quote #DMS112-4, Dielectric Quote #1930558, and Dielectric Change Order Dated 3-2-2019. Plus sales tax	$293,242.78	N/A
Sweep existing transmission line	***$6,400.00***	$6,400.00	N/A	N/A	N/A
Sub-total	$325,560.00	$301,264.66	N/A	$293,242.78	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	File Name
Rigid Transmission Line - copper, 6 1/8"	

Component Description:	Sales tax payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached. This invoice has been paid.
Amount:	$15,763.46
Component Description:	65% "prior to shipment" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached.
Amount:	$176,692.43
Component Description:	10% "balance after sweep" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached. This invoice has been paid.
Amount:	$26,152.36

	Component Description: **Amount:**	25% "with order" payment for primary transmission line and transmission line cut pieces. Supporting documentation is attached. $67,958.63
	Component Description: **Amount:**	Cost of additional cut pieces of transmission line. Supporting documentation and justification of expedited freight attached. This invoice has been paid. $6,675.90
Sweep existing transmission line	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 Cos Justificati
Primary Tower GTOWER	**$639,090.00**	**$441,108.75**		**$161,540.00**	
Structural Analysis	***$7,590.00***	$7,590.00	Cost of structural analysis. Please see InSite Towers, LLC Quote #FL962 St Cloud - ION Media Orlando" attached. and structural study required by landlord	$7,590.00	N/A
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	$421,000.00	$178,600.00	Please see Worldwide quote S-20-1023	$133,950.00	N/A
Tall Tower (greater than 500')	$210,500.00	$254,918.75	***System Notice: Estimate adjusted and locked because line has been superseded. ***Proposed cost of tower services. Please see Worldwide Communications Quote #S-19-938.	$20,000.00	N/A

Primary Tower TOWER	**$393,600.00**	**$562,307.00**		**$500,307.00**	
Minor tower reinforcement /modifications	$158,000.00	$100,000.00	N/A	$60,000.00	N/A
Structural engineering tower load study for well documented tower	$12,600.00	$12,300.00	N/A	N/A	N/A
Tall Tower (greater than 500')	$210,500.00	$437,507.00	Cost for tower services. Please see Worldwide Communications Quotes #S-19-938, #S-19-992, #S-19-1008. Estimate does not include $20,000 deposit submitted and approved on the cost element of the other tower. Plus weather delay costs	$437,507.00	N/A
Structural analysis	***$12,500.00***	$12,500.00	N/A	$2,800.00	N/A
Sub-total	$1,032,690.00	$1,003,415.75	N/A	$661,847.00	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	**File Name**

Structural Analysis	**Component Description:**	Cost of structural study required by landlord. Supporting documentation is attached.
	Amount:	$3,920.00
	Component Description:	Cost for structural analysis and intermodulation study. Supporting documentation is attached. This invoice has been paid.
	Amount:	$3,670.00
Complex Tower (includes, for example, those with candelabras and/or stacked antennas)	**Component Description:**	75% deposit payment for tower services. Supporting documentation and explanation of variance are attached.
	Amount:	$133,950.00

Tall Tower (greater than 500')	**Component Description:** **Amount:**	Please reject this invoice. It has been submitted on the wrong tower. $234,918.75
	Component Description: **Amount:**	Down payment associated with securing tower service. Note that amount is not additional to cost of tower rigging and will be deducted from total cost of tower rigging at the time it is quoted. Supporting documentation attached. This invoice has been paid. $20,000.00
Minor tower reinforcement /modifications	**Component Description:** **Amount:**	Cost of new horizontals to support spring hangers. Supporting documentation is attached. This invoice has been paid. $60,000.00
Structural engineering tower load study for well documented tower	Information not provided.	
Tall Tower (greater than 500')		

Component Description: Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.

Amount: $13,650.00

Component Description: Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.

Amount: $12,350.00

Component Description: Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.

Amount: $18,200.00

Component Description: Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.

Amount: $18,200.00

Component Description:	Cost to supply and install horizontal bridge for transmission line and install transmission line from tower to transmitter. Supporting documentation is attached. This invoice has been paid.
Amount:	$34,225.00
Component Description:	25% "balance" for tower service. Supporting documentation attached.
Amount:	$58,306.25
Component Description:	Cost of weather delays during tower services. Supporting documentation is attached. This invoice has been paid.
Amount:	$12,350.00
Component Description:	Cost for remobilization of a six man crew. Supporting documentation is attached. This invoice has been paid.
Amount:	$35,307.00

	Component Description:	75% "deposit" for tower service. Supporting documentation attached. This invoice has been paid.
	Amount:	$234,918.75
Structural analysis		
	Component Description:	Cost to have engineering firm review rigging and installation plan. Supporting documentation is attached. This invoice has been paid.
	Amount:	$2,800.00

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	**$197,650.00**	**$112,850.75**		**$26,370.30**	
Comprehensive coverage verification via field study, if needed	$84,200.00	$7,646.20	N/A	$7,646.20	N/A
Additional RF Engineering	***$8,000.00***	$8,000.00	Please see du Treil invoices #240450 and #244247 with hourly work descriptions.	$8,000.00	N/A
RF Exposure Measurements	$21,050.00	$20,000.00	N/A	N/A	N/A
FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase	$2,105.00	$2,000.00	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	$674.55	N/A
Prepare request for Special Temporary Authorization	$2,050.00	$7,424.55	Please see attached Cooley invoice #501527-145	$7,424.55	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	$2,500.00	N/A
Perform engineering study for new channel assignment and antenna development	$7,360.00	$7,000.00	N/A	$125.00	N/A
Project management of the transition	$28,440.00	$18,530.00	See AT Exhibit for more information.	N/A	N/A
Prepare and or review reimbursement form	$2,630.00	$2,500.00	N/A	N/A	N/A
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	$197,650.00	$112,850.75	N/A	$26,370.30	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	File Name	
Comprehensive coverage verification via field study, if needed	**Component Description:** **Amount:**	Cost of ProMax unit to verify antenna coverage. Supporting documentation and cover letter are attached. $7,646.20
Additional RF Engineering	**Component Description:** **Amount:** **Component Description:** **Amount:**	Cost to study for RF channel 14 interference. Supporting documentation is attached. This invoice has been paid. $3,000.00 Cost to complete Channel 14 interference analysis and report. Supporting documentation is attached. This invoice has been paid. $5,000.00
RF Exposure Measurements	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	**Component Description:** Cost for legal services to prepare Form 2100, Construction Permit Application. Supporting documentation is attached. This invoice has been paid. **Amount:** $674.55

Prepare request for Special Temporary Authorization	**Component Description:** **Amount:**	Cost for legal services to prepare request for Special Temporary Authorization Unable to Construct Waiver. Supporting documentation is attached. This invoice has been paid. $7,424.55
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	**Component Description:** **Amount:**	Cost of RF consultant preparation of engineering section of FCC Form 2100. Hourly supporting documentation attached. This invoice has been paid. $2,500.00

Perform engineering study for new channel assignment and antenna development	**Component Description:** **Amount:** **Component Description:** **Amount:**	Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. $62.50 Cost of RF consultant work for new channel assignment and antenna development. Hourly supporting documentation attached. This invoice has been paid. $62.50
Project management of the transition	Information not provided.	
Prepare and or review reimbursement form	Information not provided.	
Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	

Cost Information

Other Expenses

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cos Justificati
Other Expenses	**$89,790.00**	**$82,185.00**		**$12,114.90**	
MVPD Notification of Channel Change	***$1,600.00***	$1,600.00	N/A	$1,600.00	N/A
Develop and air announcement of upcoming channel change	***$0.00***	$0.00	The amount is yet to be determined (TBD) and ION will submit on-air announcement costs when finalized.	N/A	N/A
Equipment Storage	***$10,000.00***	$10,000.00	N/A	$2,086.50	N/A
Local Zoning	***$25,000.00***	$25,000.00	N/A	N/A	N/A
FCC Filing Fees - Special Temporary Authorization request	$195.00	$190.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 license to cover application	$335.00	$325.00	N/A	N/A	N/A
FCC Filing Fees - Form 2100 minor change CP application	$1,110.00	$1,070.00	N/A	N/A	N/A

DTV Medical Facility Notification	$11,550.00	$4,000.00	N/A	$4,000.00	N/A
Equipment Delivery and Handling Charges	***$10,000.00***	$10,000.00	N/A	$4,428.40	N/A
Disposal Costs (for equipment and other waste, net of any salvage value)	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Non-zoning permits	***$15,000.00***	$15,000.00	N/A	N/A	N/A
Sub-total	$89,790.00	$82,185.00	N/A	$12,114.90	N/A
Total for all systems	$3,329,565.00	$2,866,718.56	N/A	$1,927,080.80	N/A

Components

Actual Information Description	**File Name**	
MVPD Notification of Channel Change	**Component Description:** **Amount:**	Cost of MVPD notifications for channel change. Supporting documentation is attached. This invoice has been paid. $1,600.00
Develop and air announcement of upcoming channel change	Information not provided.	

Equipment Storage	**Component Description:** **Amount:**	Cost of storage for filter before installation. Supporting documentation is attached. $2,086.50
Local Zoning	Information not provided.	
FCC Filing Fees - Special Temporary Authorization request	Information not provided.	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
FCC Filing Fees - Form 2100 minor change CP application	Information not provided.	
DTV Medical Facility Notification	**Component Description:** **Amount:**	Cost of medical notifications for channel change. Supporting documentation is attached. This invoice has been paid. $4,000.00
Equipment Delivery and Handling Charges	**Component Description:** **Amount:**	Cost of last mile delivery and unloading of filter. Supporting documentation is attached. $1,391.00

Component Description:	Cost of freight for additional equipment for elbow complex. Supporting documentation is attached.
Amount:	$30.60
Component Description:	Cost of freight for antenna radome covers. Supporting documentation and justification of expedited freight attached. This invoice has been paid.
Amount:	$543.65
Component Description:	Cost of freight for additional equipment needed for RF interconnect. Supporting documentation and cover letter attached. This invoice has been paid.
Amount:	$873.95

	Component Description: **Amount:**	Cost of freight for additional cut pieces of transmission line. Supporting documentation and justification of expedited freight attached. This invoice has been paid. $1,589.20
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
Non-zoning permits	Information not provided.	

Cost Information

Grand Total

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	$3,329,565.00	$2,866,718.56	$1,927,080.80

Reimbursement Status

Question	Response
The facility has ceased operating on its pre-auction channel.	Yes
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.	**Mario Vasquez** *Vice President - Finance, Operations* 11/19/2020

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).	
	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.	**Mario Vasquez** *Vice President - Finance, Operations* 11/19/2020

Attachments