



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **12793** | Service: **DTV** | Call **WAXN-TV** | Channel: **32 (UHF)** |
ID: | Sign:
File **0000027845**
Number:
FRN: **0001842491** | Date **05/10**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|--|--|----------------------|------------------------------|---------------------------------|
| WSOC TELEVISION, LLC Doing Business As: WSOC TELEVISION, LLC. | Ted Hand PO BOX 34665 CHARLOTTE, NC 28234 United States | +1 (704) 335-4700 | ted. hand@wsoc- tv.com | Limited Liability Company |

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 |
|---|---|-----------------------|-------------------------|
| Ted Hand <i>Director of Engineering Operations WSOC Television, LLC</i> | Ted Hand 1901 North Tryon Street Charlotte, NC 28206 United States | +1 (704) 335- 4732 | ted.hand@coxinc. 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 | WAXN will install the auxiliary transmitter first. It will transmit on that system while the main transmitter is installed. There are separate antennas for main and auxiliary. |

Transmitters

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

**Auxiliary
Transmitter****Existing Transmitter Information**

| Section | Question | Response |
|---|---|---------------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | backup to main |
| | 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 | DCD20PL3 Diamond CD |
| | Year | 1999 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 6 kW |

**Auxiliary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|--|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | ULXTE-10 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 6 kW |
| | Justification for New Transmitter | Current auxiliary transmitter is tuned to channel 50 and can not be tuned below channel 36 |

**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 | 2 inches |
| | Length | 250.0 feet |

| | | |
|--|---|--|
| | Other Electrical Service | Yes |
| | Description | Wiring for water pumps and mask filter blowers |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | 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 leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filter needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Auxiliary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|----------------------------|---|
| Plumbing Supplies | Plumbing pipe and adapters for liquid cooled transmitter |
| RF Hanging Supplies | Equipment used to hang RF filters and waveguide in main room |
| Coaxial Switch | Coaxial switch for Main to Aux switching |
| Combiner | Combiner used to combine WAXN Aux and WSOC Aux in to one T/L. Cost is shared with WSOC-TV |

**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 | DHD15P1 Diamond CD |
| | Year | 1999 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 8 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? | No |
| | Manufacturer | |
| | Model | ULXTE-12 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 8 kW |
| | Justification for New Transmitter | Current transmitter is tuned to channel 50 and can not be tuned below channel 36. |

**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 | Yes |
| | Size | 2 inches |
| | Length | 250.0 feet |
| | | |

| | | |
|--|---|---|
| | Other Electrical Service | Yes |
| | Description | Wiring for water pumps and mask filter blowers. |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 15 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 | 320.0 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 |
|------------------------|---|
| RF Equipment | Elbows, hangers, hardware kits, flanges |
| Distilled Water | Distilled water for cooling transmitter |

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 | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Elliptical |
| | 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) | 150.0 kW |
| | | |

| | |
|--------------|----------------------------|
| Manufacturer | |
| Model | TFU- 25ETT-V/R 4C160 |
| Year | 2009 |

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 | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Elliptical |
| | 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) | 150.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|--|
| Model | TFU-25ETT-V/R 4C160 |
| Year | 2009 |
| Justification for New Antenna | Current antenna is a single channel slot tuned to channel 50. It can not be retuned. |

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 | 6 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

Information not provided.

Transmission Line

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

**Auxiliary
Transmission Line**

Existing Transmission Line

| Section | Question | Response |
|---|--|--------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | backup to main |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | Yes |
| | 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 | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 585 feet per run |

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 74070 | WSOC-TV |

Auxiliary **New Transmission Line**
Transmission Line **Section**

| Section | Question | Response |
|------------------------------------|---|---|
| New Transmission Line Costs | Use | Auxiliary (Backup) |
| | Description of Use | backup to main |
| | 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 | 585 feet per run |
| | Justification for New Transmission Line | Current line is 19 1/2' sections. New assigned channel will not pass in it. |

Auxiliary **Other Transmission Line Expenses Not Listed**
Transmission Line **Information not provided.**

**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 | 19 1/2 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1070 feet per run |

Primary **New Transmission Line**
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 | 1070 feet per run |
| | Justification for New Transmission Line | Current transmission line is 19 1/2' and will not pass the new assigned channel. |

Primary **Other Transmission Line Expenses Not Listed**
Transmission Line

Information not provided.

Tower Equipment And Rigging Costs

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

Primary Tower

Existing Tower

| Section | Question | Response |
|---|---|-------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | 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? | Yes |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1004745 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 35° 15' 42.0" N- |
| | Longitude (NAD83) | 080° 43' 37.0" W- |
| | Overall Structure Height | 1082.01 feet |
| | Support Structure Height | 970.13 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 855.96 feet |

| | | |
|--|------------------|--|
| | Structure Type | TOWER - Free Standing or Guyed Structure |
| | Tower Owner | IWG Towers Assets II, LLC |
| | Date Constructed | 01/31/2000 |

**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 |
|-------------|-----------|---------|
| 74070 | WSOC-TV | 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 |
|-------------------|--|
| Engineering Study | Modification on antenna mount and structure change |

**Outside
Professional**

| Section | Question | Response |
|---|--|--|
| Services Costs Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 25 |
| | Explanation | Project manager hired to coordinate crews and materials. |
| 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 | Yes |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | 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 | Yes |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |

| | | |
|--------------------------------------|--|-----|
| | For Auxiliary Facility | Yes |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | No |
| | FAA Consultation (including preparation of FAA Form 7460) | No |
| | 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 | No |
| 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**

Services not provided.

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 | No |
| | Non-zoning permits | No |
| | BLM or NFS Coordination | No |
| | FCC Construction Permit Minor Change | Yes |
| | FCC License to Cover Application | Yes |
| | FCC Special Temporary Authority Application | No |
| 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 ULXTE-12 | \$522,559.41 | \$449,809.41 | | \$372,062.22 | |
| Other Electrical Service: Wiring for water pumps and mask filter blowers. | <i>\$31,800.00</i> | \$31,800.00 | N/A | \$22,446.00 | N/A |
| 15 Ton system | \$55,800.00 | \$14,000.00 | Cost to move current unit. Shared cost with WSOC-TV 74070 | \$13,288.00 | N/A |
| Other -- Building Addition Size: 320.0 | <i>\$20,600.00</i> | \$20,600.00 | N/A | \$15,328.31 | N/A |
| RF Equipment | <i>\$10,000.00</i> | \$10,000.00 | RF equipment needed to move WAXN aux transmitter to make room for new transmitter. | \$3,331.58 | N/A |
| Distilled Water | <i>\$1,300.00</i> | \$1,300.00 | N/A | N/A | N/A |

| | | | | | |
|---|---------------------|---------------------|--|---------------------|-----|
| UHF - Liquid Cooled Solid State Transmitter 8 kW | \$359,759.41 | \$359,759.41 | N/A | \$311,568.33 | N/A |
| Transformer 3 phase /480v - 300 KVA | \$36,800.00 | \$6,100.00 | Actual cost lower than estimated. | \$6,100.00 | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$6,500.00 | \$6,250.00 | N/A | N/A | N/A |
| Auxiliary Transmitter ULXTE-10 | \$315,100.00 | \$277,813.14 | | \$201,032.48 | |
| Combiner | \$7,300.00 | \$7,300.00 | This is half the cost. Shared with WSOC-TV | N/A | N/A |
| Coaxial Switch | \$4,700.00 | \$4,700.00 | N/A | N/A | N/A |
| RF Hanging Supplies | \$8,000.00 | \$8,000.00 | N/A | \$1,880.37 | N/A |
| Plumbing Supplies | \$3,500.00 | \$3,500.00 | N/A | \$1,531.53 | N/A |
| Other Electrical Service: Wiring for water pumps and mask filter blowers | \$11,600.00 | \$11,600.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | \$273,500.00 | \$236,463.14 | N/A | \$197,620.58 | N/A |

| | | | | | |
|---|----------------|----------------|-----|----------------|-----|
| 2" Rigid Conduit and Wiring (Cost per foot) | \$6,500.00 | \$6,250.00 | N/A | N/A | N/A |
| Sub-total | \$837,659.41 | \$727,622.55 | N/A | \$573,094.70 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information | | |
|---|-------------------------------|--|
| Description | File Name | |
| Other Electrical Service: Wiring for water pumps and mask filter blowers. | Component Description: | Partial Electrical work done for WAXN transmitter install. |
| | Amount: | \$7,482.00 |
| | Component Description: | second payment to Omni Electric for electrical work on WAXN's transmitter |
| | Amount: | \$14,964.00 |
| 15 Ton system | Component Description: | Cost to move condenser includes new concrete pad and ice bridge. Shared cost with WSOC- TV 74070 |
| | Amount: | \$13,288.00 |

| | |
|---|--|
| Other -- Building Addition Size: 320.0 | <div> Component Description: Metal Outside Doors for building addition - WAXN costs </div> <div> Amount: \$1,821.11 </div> |
| | <div> Component Description: Building Addition Shared cost with WSOC-TV 74070 </div> <div> Amount: \$13,507.20 </div> |
| RF Equipment | <div> Component Description: RF elbows, insulators, reducers </div> <div> Amount: \$3,331.58 </div> |
| Distilled Water | Information not provided. |
| UHF - Liquid Cooled Solid State Transmitter 8 kW | <div> Component Description: WAXN Main 3rd payment </div> <div> Amount: \$77,660.67 </div> <div> Component Description: 1/3 Down payment for WAXN MAIN transmitter </div> <div> Amount: \$119,919.80 </div> <div> Component Description: Re-submit with PO & Invoice together </div> <div> Amount: \$119,919.80 </div> <div> Component Description: WAXN Main 2nd payment </div> <div> Amount: \$113,987.86 </div> |

| | |
|--|---|
| Transformer 3 phase/480v - 300 KVA | <div> <div> Component Description: </div> <div> 480 VAC to 240 VAC, 300KVA transformer for WAXN </div> </div> <div> <div> Amount: </div> <div> \$6,100.00 </div> </div> |
| 2" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |
| Combiner | Information not provided. |
| Coaxial Switch | Information not provided. |

RF Hanging Supplies

Component Description: Galvanized
Unistrut to mount
cooling fans
outdoors plus
shipping ADDED
WAXN-TV

Amount: \$393.57

Component Description: Unistrut washer,
end caps, connect
plates, 1/1/2" pipe
clamps

CORRECTED
WAXN-TV

Amount: \$1,029.05

Component Description: Correction to
Grainger invoice
9847490431
ADDS WAXN-TV
FRN 12793
replaces

Amount: \$97.81

Component Description: this submission is
a correction for
grainger invoice
9851514712
ADDS WAXN

12793 to invoice

Amount: \$359.94

Component Description: Unistrut parts: Post
Base, Connect
Plates

Amount: \$359.94

| | |
|---|---|
| Plumbing Supplies | <div> Component Description: Copper pipe for WAXN Main & Aux cooling systems </div> <div> Amount: \$1,531.53 </div> |
| Other Electrical Service: Wiring for water pumps and mask filter blowers | Information not provided. |
| UHF - Liquid Cooled Solid State Transmitter 4.9 . 6.5 kW | <div> Component Description: WAXN Aux 3rd payment </div> <div> Amount: \$45,491.30 </div> <div> Component Description: 1/3 down payment on WAXN AUX Transmitter </div> <div> Amount: \$78,821.05 </div> <div> Component Description: WAXN Aux 2nd payment </div> <div> Amount: \$73,308.23 </div> <div> Component Description: Re-submit with PO & Invoice together </div> <div> Amount: \$78,821.05 </div> |
| 2" Rigid Conduit and Wiring (Cost per foot) | Information not provided. |

Cost
Information

Antennas

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary Antenna TFU- 25ETT-V/R 4C160 | \$308,530.00 | \$293,100.00 | | \$193,738.50 | |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$11,700.00 | N/A | \$5,926.50 | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00 | \$275,000.00 | N/A | \$187,812.00 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | N/A | N/A | N/A |
| Sub-total | \$308,530.00 | \$293,100.00 | N/A | \$193,738.50 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information | |
|--|--|
| Description | File Name |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | Component Description: |
| | Elbow complex (Item 4) (45% down) |
| | Amount: |
| | \$2,963.25 |
| | Component Description: |
| | WAXN 2nd payment..Item 4 on Invoice MAN01007 |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | Amount: |
| | \$2,963.25 |
| | Component Description: |
| | N/A |
| | Amount: |
| | N/A |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | Component Description: |
| | WAXN 2nd payment Items: 1,2,& 3 on Invoice MAN01007 |
| | Amount: |
| | \$93,906.00 |
| | Component Description: |
| | Antenna, wedding cake, feed-thru (Item 1,2,3) (45% down) |
| Sweep test of existing antenna | Amount: |
| | \$93,906.00 |
| Sweep test of existing antenna | Information not provided. |

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 | \$216,140.00 | \$157,000.00 | | \$140,559.22 | |
| Rigid Transmission Line - copper, 6 1/8" | \$216,140.00 | \$157,000.00 | N/A | \$140,559.22 | N/A |
| Auxiliary Transmission Line | \$118,170.00 | \$112,320.00 | | \$29,442.50 | |
| Rigid Transmission Line - copper, 6 1/8" | \$118,170.00 | \$112,320.00 | This is half the cost. The other half in on WSOC-TV's Form 399. | \$29,442.50 | N/A |
| Sub-total | \$334,310.00 | \$269,320.00 | N/A | \$170,001.72 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|-----------|
|--------------------------------|-----------|

| | |
|---|---|
| Rigid Transmission Line - copper, 6 1/8" | <div> <div> Component Description: </div> <div> WAXN 2nd payment Items 5, 22, & 23 on Invoice MAN01007 </div> </div> <div> <div> Amount: </div> <div> \$70,279.61 </div> </div> <div> <div> Component Description: </div> <div> Transmission Line, hangers, field service (45% down) </div> </div> <div> <div> Amount: </div> <div> \$70,279.61 </div> </div> |
| Rigid Transmission Line - copper, 6 1/8" | <div> <div> Component Description: </div> <div> WAXN share is AUX TL, Eng </div> </div> <div> <div> Amount: </div> <div> \$29,442.50 </div> </div> |

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 | \$381,101.00 | \$311,501.00 | | \$113,577.10 | |
| Engineering Study | \$1.00 | \$1.00 | N/A | N/A | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$6,500.00 | N/A | \$6,437.50 | N/A |
| Tall Tower (greater than 500') | \$210,500.00 | \$200,000.00 | This is half the cost. The other half is on WSOC-TV's Form 399. | \$107,139.60 | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$105,000.00 | N/A | N/A | N/A |
| Sub-total | \$381,101.00 | \$311,501.00 | N/A | \$113,577.10 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information Description | File Name |
|--------------------------------|---------------------------|
| Engineering Study | Information not provided. |

| | |
|---|---|
| Structural engineering tower load study for well documented tower | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>Engineering Study</div> <div>\$6,437.50</div> </div> |
| Tall Tower (greater than 500') | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>30% down payment on WAXN Tower work (Main)</div> <div>\$88,037.40</div> </div> |
| | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> <div>30% down payment on WAXN Tower work (Aux)</div> <div>\$19,102.20</div> </div> |
| Minor tower reinforcement /modifications | Information not provided. |

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 | \$139,445.00 | \$140,550.00 | | \$17,828.40 | |
| RF Exposure Measurements | \$21,050.00 | \$20,000.00 | N/A | N/A | N/A |
| Comprehensive coverage verification via field study, if needed | \$84,200.00 | \$80,000.00 | 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 | \$0.00 | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | \$4,210.00 | \$4,000.00 | N/A | \$2,549.70 | 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 |

| | | | | | |
|--|------------|-------------|--|-------------|-----|
| RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |
| Project management of the transition | \$3,950.00 | \$3,750.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,500.00 | N/A | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$15,050.00 | Actual Engineering Cost. See attached. | \$10,523.00 | 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 |
| RF Consulting Engineer Fees-Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | \$1,580.00 | \$1,500.00 | 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 | \$4,755.70 | N/A |
| Sub-total | \$139,445.00 | \$140,550.00 | N/A | \$17,828.40 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information | |
|---|--|
| Description | File Name |
| RF Exposure Measurements | Information not provided. |
| Comprehensive coverage verification via field study, if needed | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application | <p>Component Description: Full payment of invoice for legal services for WAXN-TV repack.</p> <p>Amount: \$2,549.70</p> |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application | Information not provided. |
| Project management of the transition | Information not provided. |

| | |
|--|---|
| Prepare and or review reimbursement form | Information not provided. |
| Perform engineering study for new channel assignment and antenna development | <p>Component Description: Requesting 50% for WAXN...I filed for the other 50% under WSOC</p> <p>Amount: \$10,523.00</p> |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application | Information not provided. |

Attorney Fees - Prepare and
File FCC Form 2100 (main),
Construction Permit
Application

Component Description:

Full payment for
invoice fro legal
services for
WAXN-TV repack.
\$1,047.20

Amount:

Component Description:

Full payment of
invoice for legal
services for
WAXN-TV repack
\$1,392.10

Amount:

Component Description:

Full payment of
invoice for legal
services for
WAXN-TV repack.
\$74.80

Amount:

Component Description:

Full payment of
invoice fro legal
services for
WAXN-TV repack.
\$1,933.50

Amount:

Component Description:

Full payment of
invoice for legal
services for
WAXN-TV repack.
\$308.10

Amount:

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 | \$22,595.00 | \$14,995.00 | | \$3,275.00 | |
| MVPD Notification of Channel Change | <i>\$2,000.00</i> | \$2,000.00 | N/A | N/A | N/A |
| Develop and air announcement of upcoming channel change | <i>\$1,500.00</i> | \$1,500.00 | N/A | N/A | N/A |
| Equipment Storage | <i>\$2,600.00</i> | \$2,600.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | <i>\$0.00</i> | \$0.00 | N/A | \$0.00 | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$3,500.00</i> | \$3,500.00 | 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 | \$3,275.00 | N/A |
| Sub-total | \$22,595.00 | \$14,995.00 | N/A | \$3,275.00 | N/A |
| Total for all systems | \$2,023,640.41 | \$1,757,088.55 | N/A | \$1,071,515.42 | N/A |

Components

| Actual Information | |
|--|--|
| Description | File Name |
| MVPD Notification of Channel Change | Information not provided. |
| Develop and air announcement of upcoming channel change | Information not provided. |
| Equipment Storage | Information not provided. |
| Equipment Delivery and Handling Charges | Information not provided. |
| Disposal Costs (for equipment and other waste, net of any salvage value) | 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 | <div> <div>Component Description:</div> <div>Medical Notification - WAXN</div> <div>Amount:</div> <div>\$3,275.00</div> </div> |

| Cost Information | Grand Total | | | |
|------------------|-----------------------|-----------------------------|----------------|----------------|
| | | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| | | | | |
| | Total for all systems | \$2,023,640.41 | \$1,757,088.55 | \$1,071,515.42 |

| 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 | <p>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.</p> | |
| | | <ol style="list-style-type: none"> 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.

Ted Hand
*Director of
Engineering
/Operations*

05/10/2019

| 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). | |
| | | <ol style="list-style-type: none"> 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.

| | |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>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.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>Ted Hand <i>Director of Engineering /Operations</i></p> <p>05/10/2019</p> |

Attachments