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: **13993** | Service: **DTV** | Call Sign: **WSFA** | Channel: **8 (High VHF)**

File Number: **0000024804**

FRN: **0018223693** | Date Submitted: **10/20/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|---|---|---|---|
| **GRAY TELEVISION LICENSEE, LLC** Doing Business As: WSFA | Robert Folliard 4370 PEACHTREE ROAD, NE ATLANTA, GA 30319 United States | +1 (334) 288-1212 | Robert.Folliard@gray.tv | 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 |
|---|---|---|---|
| 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 | Install TLS-V interim antenna and connect to interim line Remove and replace top mounted antenna and connect to existing transmission line. Install new main and backup transmitters. |

## Transmitters

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

## Auxiliary Transmitter

### Add Transmitter Information

| Section | Question | Response |
|---|---|---|
| **Existing Transmitter Description** | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | Emergency Backup |
| | 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 | HTEL |
| | Year | 2008 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 1.1 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 | VAXTE-2R44 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 1.6 kW |
| | Justification for New Transmitter | Existing Transmitter can not be retuned Manufacturers letter attached |

## Auxiliary Transmitter

### Other Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **Electrical Service** | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 150 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? | 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 leashold improvement? | No |
| | Size | N/A |
| **Channel 14 Costs** | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

## Auxiliary Transmitter

### Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| **Auxiliary Transmitter Mask Filter** | Mask filter for the auxiliary transmitter |

## 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 | Platinum |
| | Year | 2008 |
| | 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 | VAXTE-12 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 5.89 kW |
| | Justification for New Transmitter | Exiting transmitter can not be retuned Manufacturers letter attached Headroom analysis attached |

## Primary Transmitter

### Other Transmitter Costs

| Section | Question | Response |
|---|---|---|
| **Electrical Service** | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 150 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? | 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 leashold improvement? | No |
| | Size | N/A |
| **Channel 14 Costs** | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

## Primary Transmitter

### Other Transmitter Cost Not Listed

| Name | Description |
|---|---|
| **Primary Transmitter - Transmitter Installation** | Primary Transmitter - Transmitter Installation |

## 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? | No |
| | 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 | Not in Stack |
| | Polarization | Horizontal |
| | Type | Other |
| | 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 | Traveling Wave |
| | ERP: (Effective Radiated Power) | 31.6 kW |
| | | |

| | |
|---|---|
| Manufacturer | |
| Model | RCA/TW-12A12 |
| Year | 1992 |

## 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 | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | 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) | 31.6 kW |
| | Manufacturer | |

| | |
|---|---|
| Model | THV-10A8 /VP-R 04 |
| Year | 2019 |
| Justification for New Antenna | Existing antenna can not be retuned V-pol upgrade not reimbursable |

**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 | 3 1/8 inches inches |
| **Side Mount Brackets** | Do you require the separate purchase of side mount brackets for a high power antenna? | |
| **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.

## Interim Antenna

### New Antenna Costs

| Section | Question | Response |
|---|---|---|
| **New Antenna Description** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| **New 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/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) | 31.6 kW |
| | Manufacturer | |
| | Model | TLS-V |
| | Year | 2019 |
| | | |

| | | |
|---|---|---|
| | Justification for New Antenna | Use as transition antenna to allow for removal of existing Ch 12 antenna and installation of new repack Ch 8 antenna. |

**Interim Antenna**

### Other Antenna Costs

| Section | Question | Response |
|---|---|---|
| **Elbow Complex** | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | B |
| | Feed Line Size | 6 1/8 inches |
| **Side Mount Brackets** | Do you require the separate purchase of side mount brackets for an antenna? | No |
| **Pattern Scatter Analysis** | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |
| **Sweep Test** | Do you require the sweep testing of transmission line and antenna? | Yes |

**Interim 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 |

## Primary Transmission Line

### Existing Transmission Line

| Section | Question | Response |
|---|---|---|
| **Existing Transmission Line Description** | Type of change | Utilize Existing |
| | 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 | Andrew |
| | 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 | 2050 feet per run |

## Primary Transmission Line

### Other Transmission Line Expenses Not Listed

| Name | Description |
|---|---|
| **Utilize Existing Line - Mandatory Category due to LMS Bug** | Mandatory category because LMS requires a dollar amount in order to not throw an error. |
| **Primary Transmission Line - Sweep Test** | Primary Transmission Line - Sweep Test of pre-transition antenna to determine feasibility of use for post-transition channel |

## Interim Transmission Line

### New Transmission Line

| Section | Question | Response |
|---|---|---|
| **New Transmission Line Costs** | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Rigid |
| | Diameter | 4 1/16 inches |
| | Segment Length | 20' |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 1900 feet per run |
| | Justification for New Transmission Line | to feed interim antenna during main antenna change out |

## Interim Transmission Line

### Other Transmission Line Expenses Not Listed

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 | 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? | No |
| | ASR Number | |
| **Coordinates (NAD83 ( North American Datum of 1983))** | Latitude (NAD83) | 31° 58' 29.0" N- |
| | Longitude (NAD83) | 086° 09' 44.1" W- |
| | Overall Structure Height | 1935.02 feet |
| | Support Structure Height | 1853.00 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 532.15 feet |

| | |
|---|---|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | WSFA, LLC |
| Date Constructed | 08/01/1977 |

**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 |
|---|---|---|
| 8649 | WZHT | FM |
| 73642 | WCOV-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 |

| | Other Tower Expenses Not Listed |
| --- | --- |
| **Primary Tower** | Information not provided. |

## Outside Professional Services Costs

| Section | Question | Response |
|---|---|---|
| **Outside Project Management Services** | Do you require outside project management services? | Yes |
| | Number of Hours | 595 |
| | Explanation | Pattern analysis Antenna Spec Transmitter Spec Building drawings Installation Supervision Accounting Internal Legal 399 Program Management |
| **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 | 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 | No |
| | 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 Services Costs

### Other Professional Services Expenses Not Listed

Information 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 | No |
| | FCC License to Cover Application | No |
| | FCC Special Temporary Authority Application | Yes |
| **Other Miscellaneous Expenses** | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | No |
| | 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 VAXTE-12** | **$283,368.97** | **$280,218.97** | | **$207,909.90** | |
| Switchgear - industrial 800 amp | $38,200.00 | $36,300.00 | N/A | N/A | N/A |
| Transformer 3 phase /480v - 150 KVA | $25,550.00 | $24,300.00 | N/A | N/A | N/A |
| Primary Transmitter - Transmitter Installation | ***$2,505.17*** | $2,505.17 | Please see WSFA Primary Transmitter - Transmitter Installation Budget Revision Justification Letter | N/A | N/A |
| High VHF - Air Cooled Solid State Transmitter 5.89 kW | ***$188,898.09*** | $188,898.09 | GatesAir Quotes Q-66731 & upgrade quote Q-73822 | $179,694.19 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| High VHF - Air Cooled Solid State Transmitter 5.9 kW | ***$28,215.71*** | $28,215.71 | ***System Notice: Estimate adjusted and locked because line has been superseded. ***GatesAir Quotes Q-66731 & upgrade quote Q-73822 Headroom analysis attached | $28,215.71 | N/A |
| **Auxiliary Transmitter VAXTE-2R44** | **$224,132.82** | **$156,786.89** | | **$71,400.28** | |
| Transformer 3 phase /480v - 150 KVA | $25,550.00 | $24,300.00 | N/A | N/A | N/A |
| Switchgear - industrial 800 amp | $38,200.00 | $36,300.00 | N/A | N/A | N/A |
| High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW | $152,500.00 | $88,304.07 | GatesAir Quote GA-00021705 attached. Please see file WSFA Backup TX. pdf | $63,517.46 | N/A |
| Auxiliary Transmitter Mask Filter | ***$7,882.82*** | $7,882.82 | Please see WSFA GatesAir quote GA-00021705 plus actual tax on invoice US0335134 | $7,882.82 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| **Sub-total** | $507,501.79 | $437,005.86 | N/A | $279,310.18 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

## Components

| Actual Information Description | File Name |
|---|---|
| Switchgear - industrial 800 amp | Information not provided. |
| Transformer 3 phase/480v - 150 KVA | Information not provided. |
| Primary Transmitter - Transmitter Installation | Information not provided. |
| High VHF - Air Cooled Solid State Transmitter 5.89 kW | **Component Description:** VAXTE-8<br>**Amount:** $18,810.47<br><br>**Component Description:** 50% Payment<br>**Amount:** $94,052.37<br><br>**Component Description:** Transmitter<br>**Amount:** $14,161.68<br><br>**Component Description:** VAXTE-8<br>**Amount:** $52,669.67 |
| High VHF - Air Cooled Solid State Transmitter 5.9 kW | **Component Description:** Transmitter, Mask Filter Saystem, RF Accessories, Electrical, Installation & Proof<br>**Amount:** $28,215.71 |
| Transformer 3 phase/480v - 150 KVA | Information not provided. |

| | |
|---|---|
| Switchgear - industrial 800 amp | Information not provided. |
| High VHF - Air Cooled Solid State Transmitter 1.1 . 4.4 kW | **Component Description:** VAXTE-2<br>**Amount:** $11,786.37<br><br>**Component Description:** VAXTE-2<br>**Amount:** $32,684.58<br><br>**Component Description:** VAXTE-2 per Quote GA-00021705<br>**Amount:** $7,618.60<br><br>**Component Description:** Transmitter, Mask Filter Saystem, Electrical, Installation & Proof<br>**Amount:** $11,427.91 |
| Auxiliary Transmitter Mask Filter | **Component Description:** WSFA-150-1st Auxiliary Transmitter - Mask Filter<br>**Amount:** $5,408.45<br><br>**Component Description:** WSFA-150-1st Auxiliary Transmitter - Mask Filter<br>**Amount:** $2,474.37 |

## 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 |
|---|---|---|---|---|---|
| **Interim Antenna TLS-V** | **$72,353.40** | **$70,293.40** | | **$4,560.00** | |
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | N/A | N/A |
| High VHF - High Power Side Mount One Station horizontally polarized | ***$51,923.40*** | $51,923.40 | Quote attached | $4,560.00 | N/A |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed) | $13,700.00 | $11,970.00 | Please see WSFA Dielectric quote 184001 | N/A | N/A |
| **Primary Antenna THV-10A8 /VP-R 04** | **$292,025.00** | **$290,680.00** | | **$70,791.25** | |
| Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed) | $7,600.00 | $6,585.00 | Please see WSFA Dielectric quote dated 3-9-17 | N/A | N/A |

| | | | | | |
|---|---|---|---|---|---|
| Sweep test of existing antenna | $6,730.00 | $6,400.00 | N/A | $1,600.00 | N/A |
| High VHF - High Power Top Mount One Station elliptically or circularly polarized | ***$277,695.00*** | $277,695.00 | Quote attached E-Pol premium not included in cost | $69,191.25 | N/A |
| **Sub-total** | $364,378.40 | $360,973.40 | N/A | $75,351.25 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Sweep test of existing antenna | Information not provided. | |
| High VHF - High Power Side Mount One Station horizontally polarized | **Component Description:**<br><br><br><br><br>**Amount:**<br><br><br><br>**Component Description:**<br><br><br><br>**Amount:** | WSFA-280-Interim Antenna - High VHF Side Mount, H-POL - $4,560.00<br>$4,560.00<br><br>WSFA-280-Interim Antenna - High VHF Side Mount, H-POL<br>$4,560.00 |
| Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed) | Information not provided. | |

| | | |
|---|---|---|
| Elbow complex, single channel, at antenna input, per 3 1/8. feedline (if needed) | Information not provided. | |
| Sweep test of existing antenna | **Component Description:**<br><br>**Amount:** | WSFA-210-Primary Antenna - Sweep Test<br>$1,600.00 |
| High VHF - High Power Top Mount One Station elliptically or circularly polarized | **Component Description:**<br><br>**Amount:** | HIGH-VHF One station antenna - top mount<br>$69,191.25 |

## 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 |
|---|---|---|---|---|---|
| **Interim Transmission Line** | **$269,800.00** | **$174,724.90** | | **$43,913.72** | |
| Rigid Transmission Line - copper, 4 1 /16" | $269,800.00 | $174,724.90 | Quote attached (see main antenna quote) | $43,913.72 | N/A |
| **Primary Transmission Line** | **$4,500.00** | **$4,500.00** | | **$4,500.00** | |
| Primary Transmission Line - Sweep Test | ***$4,500.00*** | $4,500.00 | Please see WSFA Primary Transmission Line - Sweep Test Budget Revision Justification Letter | $4,500.00 | N/A |
| Utilize Existing Line - Mandatory Category due to LMS Bug | ***$0.00*** | $0.00 | LMS bug requires an estimated cost for all categories. | N/A | N/A |
| **Sub-total** | $274,300.00 | $179,224.90 | N/A | $48,413.72 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

### Components

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

| | | |
|---|---|---|
| Rigid Transmission Line - copper, 4 1/16" | **Component Description:**<br><br><br><br>**Amount:** | WSFA-380-Interim Transmission Line - Rigid Copper, 4 1/16"<br>$43,913.72 |
| Primary Transmission Line - Sweep Test | **Component Description:**<br><br><br><br><br><br>**Amount:** | Sweep existing main transmission line to determine suitability as interim channel 8 (post repack channel)<br>$4,500.00 |
| Utilize Existing Line - Mandatory Category due to LMS Bug | 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** | **$381,100.00** | **$357,800.00** | | **$80,347.50** | |
| Structural engineering tower load study for well documented tower | $12,600.00 | $7,800.00 | N/A | $3,022.50 | N/A |
| Tall Tower (greater than 500') | $210,500.00 | $200,000.00 | N/A | N/A | N/A |
| Minor tower reinforcement /modifications | $158,000.00 | $150,000.00 | N/A | $77,325.00 | N/A |
| **Sub-total** | $381,100.00 | $357,800.00 | N/A | $80,347.50 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

### Components

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

| | | |
|---|---|---|
| Structural engineering tower load study for well documented tower | **Component Description:**<br><br>**Amount:** | Services rendered by Tower Consultants<br>$1,810.00 |
| | **Component Description:**<br><br>**Amount:** | Services rendered by Tower Consultants, Inc in connection with analysis prepared for the 1,935-ft guyed tower in reference with e-mail sent to TCI on January 29, 2020 using EIA Standard 222-G<br>$1,810.00 |
| | **Component Description:**<br><br>**Amount:** | Project Management<br>$1,212.50 |
| | **Component Description:**<br><br>**Amount:** | WSFA-410-Existing Primary Tower - Tower Load Study<br>$312.50 |
| Tall Tower (greater than 500') | Information not provided. | |

| | | |
|---|---|---|
| Minor tower reinforcement /modifications | **Component Description:** | Engineering, materials and project management services |
| | **Amount:** | $51,550.00 |
| | **Component Description:** | Material Ready to Ship |
| | **Amount:** | $25,775.00 |

## 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** | **$206,290.00** | **$205,950.00** | | **$81,920.15** | |
| 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 request for Special Temporary Authorization | $3,680.00 | $3,500.00 | N/A | $864.50 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | $2,365.00 | $2,250.00 | N/A | $429.50 | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | $5,260.00 | $5,000.00 | N/A | N/A | N/A |
| Prepare request for Special Temporary Authorization | $2,050.00 | $1,525.00 | Invoices received | $1,525.00 | invoice |

| | | | | | |
|---|---|---|---|---|---|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | $1,580.00 | $1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | $3,155.00 | $3,000.00 | N/A | N/A | N/A |
| Perform engineering study for new channel assignment and antenna development | $7,360.00 | $7,000.00 | N/A | $3,120.80 | 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 |
| Project management of the transition | $94,010.00 | $99,675.00 | Widelity Strategic Support Quote | $75,980.35 | N/A |
| **Sub-total** | $206,290.00 | $205,950.00 | N/A | $81,920.15 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

## Components

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

| | | |
|---|---|---|
| Comprehensive coverage verification via field study, if needed | Information not provided. | |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | **Component Description:**<br>**Amount:**<br><br>**Component Description:**<br>**Amount:** | Total Professional Services<br>$124.50<br><br>Prepare repack CP extension request; file same.<br>$740.00 |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | **Component Description:**<br>**Amount:** | WSFA-550-Attorney - License to Cover Application (Main)<br>$429.50 |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. | |
| Prepare request for Special Temporary Authorization | **Component Description:**<br>**Amount:**<br><br>**Component Description:**<br>**Amount:** | WSFA-530-RF Eng - Special Temporary Authorization<br>$675.00<br><br>Develop technical parameters for a side-mount antenna on pre-auction Ch-12<br>$850.00 |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. | |

| | |
|---|---|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Perform engineering study for new channel assignment and antenna development | **Component Description:** WSFA-530-RF Eng - Engineering Study for New Channel Assignment<br>**Amount:** $233.32<br><br>**Component Description:** Project Management<br>**Amount:** $1,879.15<br><br>**Component Description:** WSFA-530-RF Eng - Engineering Study for New Channel Assignment<br>**Amount:** $83.33<br><br>**Component Description:** Initial steps toward review of planned antenna/line configuration for repack Ch-8<br>**Amount:** $150.00<br><br>**Component Description:** WSFA-530-RF Eng - Engineering Study for New Channel Assignment<br>**Amount:** $1,187.50<br><br>**Component Description:** Consulting Engineer<br>**Amount:** $775.00 |

| | |
|---|---|
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |
| Project management of the transition | **Component Description:** Project Management<br>**Amount:** $302.87<br><br>**Component Description:** Project Management<br>**Amount:** $2,021.60<br><br>**Component Description:** Project Management<br>**Amount:** $2,002.45<br><br>**Component Description:** Project Management<br>**Amount:** $169.40<br><br>**Component Description:** WSFA-510-Project Management<br>**Amount:** $749.46<br><br>**Component Description:** Project Management<br>**Amount:** $56.47<br><br>**Component Description:** Project Management<br>**Amount:** $2,388.70<br><br>**Component Description:** Project Management<br>**Amount:** $2,303.40 |

**Component Description:** Project Management
**Amount:** $2,712.25

**Component Description:** Project Management
**Amount:** $9,359.10

**Component Description:** Project Management
**Amount:** $2,875.15

**Component Description:** Project Management
**Amount:** $2,269.50

**Component Description:** Project Management
**Amount:** $2,661.30

**Component Description:** Project Management
**Amount:** $2,151.05

**Component Description:** Project Management
**Amount:** $2,329.60

**Component Description:** Project Management
**Amount:** $2,477.00

**Component Description:** Project Management
**Amount:** $1,544.40

| | |
|---|---|
| **Component Description:** | Project Management |
| **Amount:** | $84.69 |
| **Component Description:** | Project Management |
| **Amount:** | $53.90 |
| **Component Description:** | Project Management |
| **Amount:** | $77.00 |
| **Component Description:** | Project Management |
| **Amount:** | $3,580.95 |
| **Component Description:** | Invoice processing, document posting for Widelity |
| **Amount:** | $277.20 |
| **Component Description:** | Project Management |
| **Amount:** | $1,879.45 |
| **Component Description:** | Project management |
| **Amount:** | $2,204.00 |
| **Component Description:** | Project Management |
| **Amount:** | $2,361.70 |
| **Component Description:** | Project Management |
| **Amount:** | $3,113.75 |

| | |
|---|---|
| **Component Description:** | Project Management |
| **Amount:** | $6,523.30 |
| **Component Description:** | Project Management |
| **Amount:** | $115.15 |
| **Component Description:** | Project Management |
| **Amount:** | $2,285.65 |
| **Component Description:** | Project Management |
| **Amount:** | $2,699.95 |
| **Component Description:** | Project Management |
| **Amount:** | $2,012.15 |
| **Component Description:** | FORKLIFT VARIABLE REACH |
| **Amount:** | $4,333.71 |
| **Component Description:** | Project Management |
| **Amount:** | $2,323.40 |
| **Component Description:** | Project Management |
| **Amount:** | $4,073.05 |

## 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** | **$60,775.61** | **$52,180.61** | | **$18,830.61** | |
| Develop and air announcement of upcoming channel change | ***$2,850.00*** | $2,850.00 | estimate for on air rescan announcement production Quote attached | N/A | N/A |
| Equipment Storage | ***$30,500.00*** | $30,500.00 | Estimate for Dielectric on site antenna storage Dielectric letter attached | N/A | N/A |
| FCC Filing Fees - Special Temporary Authorization request | $195.00 | $200.00 | Please see WSFA Filing Fee STA Budget Justification Cover Letter | $200.00 | N/A |
| MVPD Notification of Channel Change | ***$2,017.00*** | $2,017.00 | see Estimated Cost Justification WSFA-610-MVPD Notification v0 | $2,017.00 | N/A |
| Equipment Delivery and Handling Charges | ***$13,663.61*** | $13,663.61 | see Estimated Cost Justification WSFA-610-Equipment Delivery and Handling v0 | $13,663.61 | N/A |
| DTV Medical Facility Notification | $11,550.00 | $2,950.00 | Group quote attached | $2,950.00 | N/A |

| | | | | | |
|---|---|---|---|---|---|
| **Sub-total** | $60,775.61 | $52,180.61 | N/A | $18,830.61 | N/A |
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | N/A | $584,173.41 | N/A |

## Components

| Actual Information Description | File Name | |
|---|---|---|
| Develop and air announcement of upcoming channel change | Information not provided. | |
| Equipment Storage | Information not provided. | |
| FCC Filing Fees - Special Temporary Authorization request | **Component Description:**<br><br><br><br><br>**Amount:** | WSFA-610-FCC Filing Fees - Special Temporary Authorization request<br>$200.00 |
| MVPD Notification of Channel Change | **Component Description:**<br><br>**Amount:** | For Professional Services Rendered<br>$2,017.00 |

| | | |
|---|---|---|
| Equipment Delivery and Handling Charges | **Component Description:**<br>**Amount:** | FORKLIFT VARIABLE REACH 10000# 50' & UP<br>$1,250.90 |
| | **Component Description:**<br>**Amount:** | FORKLIFT VARIABLE REACH 10000# 50' & UP<br>$4,333.71 |
| | **Component Description:**<br>**Amount:** | FORKLIFT VARIABLE REACH 10000# 50' & UP<br>$3,405.45 |
| | **Component Description:**<br>**Amount:** | FORKLIFT VARIABLE REACH 10000# 50' & UP<br>$4,673.55 |
| DTV Medical Facility Notification | **Component Description:**<br>**Amount:** | Medical Notification Mailing<br>$2,950.00 |

## Cost Information

### Grand Total

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|---|---|---|---|
| **Total for all systems** | $1,794,345.80 | $1,593,134.77 | $584,173.41 |

## 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.<br>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.<br>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. | **Robert Folliard , III .**<br>*Assistant Secretary*<br><br>10/20/2020 |

## 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.<br>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.<br>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.<br>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. | **Robert Folliard , III .**<br>*Assistant Secretary*<br><br>10/20/2020 |

## Attachments