



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **72123** | Service: **DTV** | Call **WWJ-TV** | Channel: **21 (UHF)** |  
ID: | Sign:  
File **0000026787**  
Number:  
FRN: **0003482189** | Date **04/16**  
Submitted: **/2020**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant   | Address   | Phone             | Email          | Applicant Type |
|---|---|-------------------|----------------|----------------|
| <b>CBS BROADCASTING INC.</b><br>Doing Business As: CBS<br>BROADCASTING INC. | Daniel G. Ryson<br>1725 DeSales St. NW<br>Suite 501<br>Washington,<br>DC 20036<br>United States | +1 (202) 457-4074 | dryson@cbs.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          |
|--|---|-------------------|----------------|
| <b>Daniel G. Ryson</b><br><i>Director of Spectrum<br/>Management<br/>CBS</i> | Daniel G. Ryson<br>1725 DeSales Street<br>NW<br>Suite 501<br>Washington, DC<br>20036<br>United States | +1 (202) 457-4075 | dryson@cbs.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   |  | New channel 21 antenna and 6-1/8" line to be installed on the south arm of candelabra. Tower owner providing interim broad band antenna system to be leased. |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response                 |
|---|--|--------------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New          |
|   | Use  | Primary<br>(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                      |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                          |
|   | Model  | SigmaCD-<br>2200P2       |
|   | Year   | 1999                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Two                      |
|   | Power Capacity   | 46 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                                     | ULXTED-60   |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid Cooled   |
|                 | Solid State Power capacity                | 38.4 kW   |
|                 | Justification for New Transmitter         | GatesAir Won't Re-tune (See Exhibit 1). IOT replacement is more expensive (See Exhibit 2A). Proposed replacement is less expensive (Exhibit 3B). See also May 2018 Statement. |

**Primary  
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  | No   |
|  | Size  | N/A  |
|  | Length  | N/A  |
|  | Other Electrical Service  | Yes  |
|  | Description   | Various Main Site Electrical Work (See Exhibit 4). |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | No   |
|  | Type  | N/A  |
|  | Size  | N/A  |
|  | Other Size  | N/A  |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No   |
|  | Size  | N/A  |
| <b>Channel 14 Costs</b>  | 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   |
|-----------------------------|---|
| <b>State Sales Tax</b>      | Michigan Sales Tax of 6% on all products and services shown on Exhibit 3B.                          |
| <b>GatesAir Site Survey</b> | Advanced Site Survey Services. Includes as-built and future layout drawings. See Exhibit 3B Item F. |



**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(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                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Top                |
|   | Polarization   | Horizontal         |
|   | Type   | Slotted<br>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)<br>.....                         | 425.0 kW           |
|   |  |                    |



|              |           |
|--------------|-----------|
| Manufacturer |           |
| Model        | TFU-18GTH |
| Year         | 1998      |

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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)<br>.....                             | 264.0 kW        |
|                                    | Manufacturer   |                 |
|                                    |  |                 |

|  |                               |                                     |
|--|-------------------------------|-------------------------------------|
|  | Model                         | TFU-17ETT<br>/VP-R O4               |
|  | Year                          | 2019                                |
|  | Justification for New Antenna | Existing antenna cannot be retuned. |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question  | Response |
|------------------------------------|---|----------|
| <b>Combiner for Shared Antenna</b> | 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      |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | No       |
|                                    | Broadband or Single Channel?  | N/A      |
|                                    | Feed Line Size  | N/A      |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       |          |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No       |
| <b>Sweep Test</b>                  | 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                         |
|--|--|----------------------------------|
| <b>New Antenna Description</b>               | Use  | Interim                          |
|  | Description of Use   | N/A                              |
|  | Change Type  | Purchase<br>New                  |
|  | Ownership  | Leased                           |
|  | Owner  | American<br>Tower<br>Corporation |
|  | Is antenna shared?   | Yes                              |
|  | Is antenna directional?  | Yes                              |
|  | Will antenna be located on or in close proximity to an antenna farm? | No                               |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power                       |
|  | Mounting   | Side Mount                       |
|  | Antenna position in stack  | Not in Stack                     |
|  | Polarization   | Elliptical                       |
|  | Type   | Broadband<br>Slot                |
|  | Number of Stations Supported   | 3                                |
|  | Number of Panels/Bays  | 8                                |
|  | Lower Limit  | 407.00 MHz                       |
|  | Upper Limit  | 698.00 MHz                       |
|  | Design power capacity in use   | 0.0 %                            |
|  | Other Antenna Type   | N/A                              |
|  | ERP: (Effective Radiated Power)<br>.....                             | 264.0 kW                         |
|  | Manufacturer   |                                  |
|  | Model  | TFU-24 WB<br>/VP-C160            |

|  |                               |   |
|--|-------------------------------|---|
|  | Year                          | 2018  |
|  | Justification for New Antenna | Required for continued operation while main WWJ-TV antenna is replaced. |

## Interim Antenna

### Other Antenna Costs

| Section                            | Question  | Response      |
|------------------------------------|---|---------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | Yes           |
|                                    | Type  | New           |
|                                    | Number of channels supported  | 3             |
|                                    | Frequencies of channels supported   | RF channel    |
|                                    | Frequency   | N/A           |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No            |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes           |
|                                    | Broadband or Single Channel?  | B             |
|                                    | Feed Line Size  | 7 3/16 inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for an antenna?                                 | No            |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No            |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?  | Yes           |

Enter a list of RF channel numbers.

| RF Channel Number |
|-------------------|
| 44                |
| 21                |
| 43                |

## Interim Antenna

### Other Antenna Cost Not Listed

| Name                           | Description  |
|--------------------------------|--|
| <b>Install Combiner</b>        | Cost is for installing and proofing combiner.  |
| <b>Conduit</b>                 | This cost includes 200 L/F of 2" conduit and conductor to adequately supply the HVAC unit.   |
| <b>Ice Shield</b>              | Ice Shield for side-mount interim antenna. Omitted from initial quote. Please see Exhibit 14.  |
| <b>New Electrical Panel</b>    | New HVAC electrical sub-panel for new AC unit required for the repack combiner area fed off of existing 480/208 main panel. This equipment is required to provide the existing power to the HVAC unit. |
| <b>Nitrogen Generator</b>      | Nitrogen Generator Upgrade. See Exhibit 7A.  |
| <b>Combiner Cage</b>           | 24X20 fenced combiner cage area materials and installation. See Exhibit 7A   |
| <b>Interim Antenna Rigging</b> | Cost is for the labor to remove the old side-mount analog channel 62 antenna and waveguide, install the new transmission line, and install interim antenna.  |
| <b>Interim Tower Rental</b>    | ATC site and tower rental Required for station to minimize on-air disruption, maintain coverage, and complete the tower work in a safe, timely manner. See Exhibit 7A.                                 |

**Transmission Line**

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



**Primary**  
**Transmission Line**

**Existing Transmission Line**

| Section   | Question   | Response          |
|---|--|-------------------|
| <b>Existing Transmission Line Description</b>           | 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               |
| <b>Existing Transmission Line Manufacturer and Type</b> | 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   | 1150 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                            | Broadband   |
|                             | Other Segment Length                      | N/A   |
|                             | Number of parallel runs                   | 1   |
|                             | Length                                    | 1150 feet per run   |
|                             | Justification for New Transmission Line   | Existing line segment length cannot be used on new channel. |

Primary  
Transmission Line

Other Transmission Line Expenses Not Listed

| Name                      | Description  |
|---------------------------|--|
| Additional Elbow          | Additional Elbow   |
| RF Accessories            | Coaxial Switch, Switch Controller, Dummy Load, etc. See Exhibit 9, Item C. |
| TX Line Mounting Hardware | Transmission Line Tower Mounting Hardware for Primary Line.                |

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**Horiz and Ceiling Anchors**

Horizontal and Ceiling Mounting Hardware  
for Primary Line.

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**Interim**  
**Transmission Line**

**New Transmission Line**

| Section                            | Question                                | Response   |
|------------------------------------|---|--|
| <b>New Transmission Line Costs</b> | Use                                     | Interim  |
|                                    | Description of Use                      | N/A  |
|                                    | Change Type                             | Purchase New   |
|                                    | Type                                    | Rigid  |
|                                    | Diameter                                | 7 3/16 inches  |
|                                    | Segment Length                          | Broadband  |
|                                    | Other Segment Length                    |  |
|                                    | Number of parallel runs                 | 1  |
|                                    | Length                                  | 995 feet per run   |
|                                    | Justification for New Transmission Line | Material costs for 995 foot 7-3/16" Broadband transmission line, three (3) elbows and a nitrogen generator for pressurization control on the line. |

**Interim**  
**Transmission Line**

**Other Transmission Line Expenses Not Listed**

| Name                               | Description   |
|------------------------------------|---|
| <b>Interim Coax Switch</b>         | Coaxial switch between interim transmitter and interim antenna combiner. Permits transmitter testing. (See Exhibit 3B, Items D and G.)  |
| <b>TX Line to Interim Combiner</b> | Horizontal run of transmission line between transmitter and interim combiner. (See Exhibit 7A, last Page. Please disregard identical Items shown on Exhibit 3A, Items I and K.) |



**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?                         | Candelabra        |
|   | 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?            | Unknown           |
|   | Is tower compliant with Rev G?                          | Unknown           |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | Yes               |
|   | ASR Number  | 1003429           |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 42° 26' 52.5" N-  |
|   | Longitude (NAD83)                                       | 083° 10' 23.1" W- |
|   | Overall Structure Height                                | 1086.93 feet      |
|   | Support Structure Height                                | 1012.13 feet      |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 662.07 feet       |
|   |   |                   |

|                  |   |
|------------------|---|
| Structure Type   | GTOWER -<br>Guyed<br>Structure Used<br>for<br>Communication<br>Purposes |
| Tower Owner      | American<br>Tower, LLC  |
| Date Constructed | 06/11/1999  |

**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 |
|-------------|-----------|---------|
| 59952       | WLLZ      | FM      |
| 6594        | WNIC      | FM      |
| 6592        | WKQI      | FM      |
| 6056        | WRCJ-FM   | FM      |
| 74211       | WMYD      | DTV     |
| 16817       | WTVS      | DTV     |
| 59592       | WJLB      | FM      |

**Primary  
Tower**

**Tower Modification Costs**

| Section                     | Question   | Response  |
|-----------------------------|--|---|
| <b>Engineering Study</b>    | Please what type of engineering study is required, if any: | Study needed<br>for<br>undocumented<br>/poorly<br>documented<br>tower |
| <b>Tower Reinforcements</b> | Please select whether tower reinforcements are needed:     | Minor<br>Reinforcements<br>needed                                     |

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

| Name                     | Description  |
|--------------------------|--|
| Permit Drawing Packages  | Construction drawing packages for Tower and Ground Permits.  |
| Tower Project Management | Project management fee for both the primary and interim antenna. See Exhibits 6B, 1-A-1 (\$9,480) and 7B, 3-D-1 (\$5,000). Scheduling and management of the timelines and schedules occurring during the repack. |
| Structural Engineering   | Rigorous Structural analysis to assess the structural capacity and modifications needed to accommodate the repacked equipment (see Exhibit 6).   |



**Outside  
Professional**

| Section   | Question   | Response                          |
|---|--|-----------------------------------|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes                               |
|   | Number of Hours  | 250                               |
|   | Explanation  | Company lacks internal resources. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | 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                               |
| <b>Attorney and Other<br/>Outside Consulting<br/>Services</b>     | Prepare and file Form FCC Construction Permit Application                    | No                                |
|   | For Auxiliary Facility   | N/A                               |
|   | For Main Facility  | N/A                               |
|   | Prepare and file Form FCC License to Cover Application                       | No                                |
|   | For Auxiliary Facility   | N/A                               |

|                                      |  |     |
|--------------------------------------|--|-----|
|                                      | For Main Facility  | N/A |
|                                      | Prepare request for Special Temporary Authority  | No  |
|                                      | Quantity   | N/A |
|                                      | NEPA Section 106 environmental review  | No  |
|                                      | Environmental Assessment   | No  |
|                                      | ASR Modification   | Yes |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | Yes |
|                                      | Prepare or Review FCC Form 399 for Reimbursement   | No  |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study  | No  |
|                                      | 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  |
|----------------------------------|--|
| <b>Site Coordination Meeting</b> | Meeting to coordinate efforts among broadcasters, tower owner, and tower contractor. |
| <b>RF System Test - Interim</b>  | Radiofrequency System Test of Interim Antenna System                                 |

## Other Expenses

| Section                             | Question   | Response |
|-------------------------------------|--|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?   | No       |
|                                     | Is Remediation needed?   | No       |
| <b>Facility Expenses</b>            | 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      |
| <b>Permit and Filing Costs</b>      | 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  | No       |
| <b>Other Miscellaneous Expenses</b> | 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?  | No       |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | No       |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |

**Other  
Expenses**

**Other Expenses Not Listed**

| Name                      | Description   |
|---------------------------|---|
| Deinstall Old Transmitter | Deinstallation of present primary transmitter. (See Exhibit 3A Item G.) |

## 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 |
|--|-----------------------------|-----------------------|---|-----------------------|---------------------------|
| <b>Primary Transmitter ULXTED-60</b>                   | <b>\$1,623,643.80</b>       | <b>\$1,522,592.66</b> |   | <b>\$1,427,329.73</b> |                           |
| GatesAir Site Survey                                   | <i>\$9,685.80</i>           | \$9,685.80            | GatesAir Advanced Site Survey. Provides as-built and proposed facility layout drawings. (See Exhibit 3B, Item F.) | \$9,685.80            | N/A                       |
| State Sales Tax  | <i>\$87,239.00</i>          | \$87,239.00           | 6% Michigan State Sales Tax on products and services shown on Exhibit 3B.   | \$79,430.87           | N/A                       |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00              | \$1,371,948.86        | Please see May 2018 Statement and Exhibit 3B, Items A, B, C, and H.   | \$1,284,494.06        | N/A                       |

|  |                    |                |   |                |     |
|--|--------------------|----------------|---|----------------|-----|
| Other Electrical Service: Various Main Site Electrical Work (See Exhibit 4). | <b>\$53,719.00</b> | \$53,719.00    | Various primary transmitter site electrical work. (See Exhibit 4) | \$53,719.00    | N/A |
| <b>Sub-total</b>   | \$1,623,643.80     | \$1,522,592.66 | N/A   | \$1,427,329.73 | N/A |
| <b>Total for all systems</b>   | \$3,830,098.07     | \$3,022,227.86 | N/A   | \$2,690,086.92 | N/A |

## Components

| Actual Information   |  |
|----------------------|--|
| Description          | File Name  |
| GatesAir Site Survey | <p><b>Component Description:</b> One-third progress payment of Site Survey. See Exhibit 3B Item F.</p> <p><b>Amount:</b> \$3,228.60</p> <p><b>Component Description:</b> Final Payment for Site Survey. Please see Exhibit 3B Item F.</p> <p><b>Amount:</b> \$6,457.20</p> |
| State Sales Tax      | <p><b>Component Description:</b> Michigan Sales Tax for items shipped by October, 2019. Please see Exhibit 17.</p> <p><b>Amount:</b> \$79,430.87</p>   |

|  |   |
|--|---|
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW                       | <div> <b>Component Description:</b> 1/3 Down payment for ULXTE-60 Main Transmitter. </div> <div> <b>Amount:</b> \$424,059.72 </div>   |
|  | <div> <b>Component Description:</b> Final Payment for Exhibit 3B Items A, B, C. </div> <div> <b>Amount:</b> \$403,118.05 </div>   |
|  | <div> <b>Component Description:</b> One-third progress payment of items A, B, C, and H from GatesAir quote Q-76546 (please see Exhibit 3B). </div> <div> <b>Amount:</b> \$457,316.29 </div> |
| Other Electrical Service: Various Main Site Electrical Work (See Exhibit 4). | <div> <b>Component Description:</b> Main Transmitter Electrical Work Down Payment. Please see Exhibit 4. </div> <div> <b>Amount:</b> \$17,727.27 </div>                                     |
|  | <div> <b>Component Description:</b> Main Transmitter Electrical Work Final Payment. Please see Exhibit 4. </div> <div> <b>Amount:</b> \$35,991.73 </div>                                    |

**Cost  
Information**

**Antennas**

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

| Description                                 | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification  | Actual Cost  | Actual Cost<br>Justification   |
|---|--------------------------------|-------------------|---|--------------|--|
| Interim<br>Antenna<br>TFU-24 WB<br>/VP-C160 | \$329,146.80                   | \$311,914.46      |   | \$310,892.13 |  |
| New<br>Electrical<br>Panel                  | <i>\$0.00</i>                  | \$0.00            | New<br>electrical sub-<br>panel found<br>unnecessary.<br>Please see<br>Exhibit 14.  | \$0.00       | N/A  |
| Nitrogen<br>Generator                       | <i>\$5,000.00</i>              | \$5,000.00        | Please see<br>Exhibit 7B  | \$3,977.67   | N/A  |
| Interim<br>Antenna<br>Rigging               | <i>\$70,066.66</i>             | \$70,066.66       | Cost is for<br>the labor to<br>remove the<br>old side-<br>mount<br>analog<br>channel 62<br>antenna and<br>waveguide<br>and install<br>new line and<br>interim<br>antenna.<br>Cost came in<br>higher than<br>estimated.<br>Includes<br>weather<br>delays.<br>Please see<br>Exhibit 14. | \$70,066.66  | Antenna<br>installation<br>came in<br>higher than<br>estimated.<br>Includes<br>weather<br>delays.<br>Please see<br>Exhibit 14. |



|  |                    |             |  |             |  |
|--|--------------------|-------------|--|-------------|--|
| Interim Tower Rental   | <b>\$57,600.00</b> | \$57,600.00 | Rental fee for tower and ground space to support interim antenna, combiner, and interim transmitter. See Exhibit 7B. | \$57,600.00 | N/A  |
| Install Combiner   | <b>\$15,962.33</b> | \$15,962.33 | Combiner installation came in higher than estimated. Please see Exhibit 14.  | \$15,962.33 | Combiner installation came in higher than estimated. Please see Exhibit 14.                                |
| Combiner Cage  | <b>\$8,355.67</b>  | \$8,355.67  | 24x20' fenced combiner cage area materials and installation with 10' privacy slats. See Exhibit 7B and Exhibit 14.   | \$8,355.67  | Cost to install fencing and PVC slats around combiner to section of from CBS Suite. Please see Exhibit 14. |
| Conduit  | <b>\$0.00</b>      | \$0.00      | Conduit found unnecessary. Please see Exhibit 14.  | \$0.00      | N/A  |
| Elbow complex, broadband, at antenna input, per 7 3/16. feedline (if needed) | \$16,850.00        | \$5,260.00  | Updated cost includes tax and shipping. Please see Exhibit 14.   | \$5,260.00  | Updated cost includes tax and shipping. Please see Exhibit 14.   |

|  |                    |             |   |             |   |
|--|--------------------|-------------|---|-------------|---|
| New combiner, cost per channel (without antenna)   | \$84,200.00        | \$81,954.33 | Updated cost includes taxes and shipping. Please see Exhibit 14.  | \$81,954.33 | Updated cost includes taxes and shipping. Please see Exhibit 14.  |
| Sweep test of existing antenna   | \$6,730.00         | \$3,333.33  | The original estimate was rounded to the nearest dollar. This was corrected in the final billing, which was rounded to the nearest cent. Please see Exhibit 14. | \$3,333.33  | The original estimate was rounded to the nearest dollar. This was corrected in the final billing, which was rounded to the nearest cent. Please see Exhibit 14. |
| UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 264 kW input, directional,, elliptically or circularly polarized | <b>\$63,637.33</b> | \$63,637.33 | Pro-rata share (see Exhibit 7B). Updated cost includes taxes and shipping. Please see Exhibit 14.   | \$63,637.33 | Updated cost includes taxes and shipping. Please see Exhibit 14.  |
| Ice Shield   | <b>\$744.81</b>    | \$744.81    | Ice shield for side-mounted interim antenna. Omitted from original estimate. Please see Exhibit 14.   | \$744.81    | N/A   |

|  |                       |                       |  |                       |            |
|--|-----------------------|-----------------------|--|-----------------------|------------|
| <b>Primary Antenna TFU-17ETT /VP-R 04</b>  | <b>\$296,230.00</b>   | <b>\$170,780.00</b>   |  | <b>\$151,452.00</b>   |            |
| Sweep test of existing antenna   | \$6,730.00            | \$6,400.00            | Please see Exhibit 5A  | \$5,760.00            | N/A        |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00          | \$164,380.00          | Exhibit 5A Items 1 and 2, minus \$16,425 cost of V-Pol, plus \$2,500 helicopter lift lugs (see Change Order in Exhibit 45) | \$145,692.00          | N/A        |
| <b>Sub-total</b>   | <b>\$625,376.80</b>   | <b>\$482,694.46</b>   | <b>N/A</b>   | <b>\$462,344.13</b>   | <b>N/A</b> |
| <b>Total for all systems</b>   | <b>\$3,830,098.07</b> | <b>\$3,022,227.86</b> | <b>N/A</b>   | <b>\$2,690,086.92</b> | <b>N/A</b> |

## Components

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

|                      |  |
|----------------------|--|
| New Electrical Panel | <div data-bbox="708 174 1426 409"> <p><b>Component Description:</b> New Subpanels found unnecessary. Please see Exhibit 14.</p> <p><b>Amount:</b> (\$1,250.00)</p> </div> <div data-bbox="708 510 1426 1025"> <p><b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 50% of the Interim Site Electrical Sub Panels. (See Exhibit 6C, 3-C-6.)</p> <p><b>Amount:</b> \$833.33</p> </div> <div data-bbox="708 1126 1426 1641"> <p><b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 25% of the Interim Site Electrical Sub Panels. (See Exhibit 6C, 3-C-6.)</p> <p><b>Amount:</b> \$416.67</p> </div> |
|----------------------|--|

|                           |   |  |
|---------------------------|---|--|
| <p>Nitrogen Generator</p> | <p><b>Component Description:</b> Nitrogen generator to pressurize interim line.</p> <p><b>Amount:</b> \$227.67</p>  |  |
|                           | <p><b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 25% of the Interim Nitrogen Generator. See Exhibit 6C, 3-D-1.</p> <p><b>Amount:</b> \$1,250.00</p>   |  |
|                           | <p><b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 50% of the Interim Nitrogen Generator. (See Exhibit 6C, 3-D-1.)</p> <p><b>Amount:</b> \$2,500.00</p> |  |

Interim Antenna Rigging

**Component Description:**

Invoice is 25%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 25% of Interim  
Antenna  
Installation, pro  
rata share. (See  
Exhibit 6C, 3-C-1.)

**Amount:**

\$13,750.00

**Component Description:**

Antenna  
installation came in  
higher than  
estimated. Includes  
weather delays.  
Please see Exhibit  
14.

**Amount:**

\$28,816.66

**Component Description:**

Invoice is 50%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 50% of Interim  
Antenna  
Installation, pro  
rata share. (See  
Exhibit 6C, 3-C-1.)

**Amount:**

\$27,500.00

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Interim Tower Rental

**Component Description:** Please see Exhibit 14.

**Amount:** \$14,400.00

**Component Description:** Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This amount is 25% of Interim Site Rent, Exhibit 6C 1-B-1.

**Amount:** \$14,400.00

**Component Description:** Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This amount is 50% of Interim Site Rent, Exhibit 6C 1-B-1.

**Amount:** \$28,800.00

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|                  |   |
|------------------|---|
| Install Combiner | <div data-bbox="710 174 1380 369"> <p><b>Component Description:</b> Combiner installation came in higher than estimated. Please see Exhibit 14.</p> </div> <div data-bbox="710 376 1268 414"> <p><b>Amount:</b> \$9,712.33</p> </div> <div data-bbox="710 515 1380 952"> <p><b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Interim Combiner Installation, Exhibit 6C, 3-C-2.)</p> </div> <div data-bbox="710 958 1268 996"> <p><b>Amount:</b> \$4,166.67</p> </div> <div data-bbox="710 1093 1380 1534"> <p><b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Interim Combiner Installation, Exhibit 6C, 3-C-2.)</p> </div> <div data-bbox="710 1541 1268 1579"> <p><b>Amount:</b> \$2,083.33</p> </div> |
|------------------|---|



Combiner Cage

**Component Description:** Please see Exhibit 14.

**Amount:** \$4,605.67

**Component Description:** Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 25% of the Interim Combiner Cage. (See Exhibit 6C, 3-C-3.)

**Amount:** \$1,250.00

**Component Description:** Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 50% of the Interim Combiner Cage. (See Exhibit 6C, 3-C-3.)

**Amount:** \$2,500.00

|         |   |
|---------|---|
| Conduit | <div data-bbox="710 174 1369 367"> <p><b>Component Description:</b> Conduit found unnecessary. Please see Exhibit 14.</p> <p><b>Amount:</b> (\$625.01)</p> </div> <div data-bbox="710 474 1377 945"> <p><b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 25% of the Interim Conduit. (See Exhibit 6C, 3-C-1)</p> <p><b>Amount:</b> \$208.34</p> </div> <div data-bbox="710 1052 1377 1523"> <p><b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 50% of the Interim Conduit. (See Exhibit 6C, 3-C-1)</p> <p><b>Amount:</b> \$416.67</p> </div> |
|---------|---|

|   |  |
|---|--|
| Elbow complex,<br>broadband, at antenna<br>input, per 7 3/16. feedline<br>(if needed) | <div> <b>Component Description:</b> Updated cost includes tax and shipping. Please see Exhibit 14. </div> <div> <b>Amount:</b> \$2,760.00 </div>   |
|   | <div> <b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 50% of the Interim Antenna Elbow Complex. (See Exhibit 6C, 3-C-2.) </div> <div> <b>Amount:</b> \$1,666.67 </div> |
|   | <div> <b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is for 25% of the Interim Antenna Elbow Complex. (See Exhibit 6C, 3-C-2.) </div> <div> <b>Amount:</b> \$833.33 </div>   |

New combiner, cost per  
channel (without antenna)

**Component Description:**

Updated cost  
includes taxes and  
shipping. Please  
see Exhibit 14.

**Amount:**

\$24,454.33

**Component Description:**

Invoice is 25%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 25% of the  
Interim Combiner.  
(See Exhibit 6C, 3-  
C-1.)

**Amount:**

\$19,166.67

**Component Description:**

Invoice is 50%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 50% of the  
Interim Combiner.  
(See Exhibit 6C, 3-  
C-1.)

**Amount:**

\$38,333.33

Sweep test of existing antenna

**Component Description:** RF system testing. Please see Exhibit 14.

**Amount:** \$833.34

**Component Description:** Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Antenna Line sweep test. (See Exhibit 6C, 3-C-2.)

**Amount:** \$833.33

**Component Description:** Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Antenna Line sweep test. (See Exhibit 6C, 3-C-2.)

**Amount:** \$1,666.66

|   |  |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
|---|--|--------------------------------------|--|-----------------------|--------------------|--------------------------------------|---|-----------------------|--------------------|--------------------------------------|---|-----------------------|--------------------|
| <p>UHF - High Power, Side Mount, basic slot antenna, 8 bay,, 264 kW input, directional,, elliptically or circularly polarized</p> | <table> <tr> <td data-bbox="710 168 1021 324"> <p><b>Component Description:</b></p> </td><td data-bbox="1149 168 1412 324"> <p>Updated cost includes taxes and shipping. Please see Exhibit 14.</p> </td></tr> <tr> <td data-bbox="710 324 1021 436"> <p><b>Amount:</b></p> </td><td data-bbox="1149 324 1412 436"> <p>\$18,637.33</p> </td></tr> <tr> <td data-bbox="710 459 1021 952"> <p><b>Component Description:</b></p> </td><td data-bbox="1149 459 1412 952"> <p>Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p> </td></tr> <tr> <td data-bbox="710 952 1021 1064"> <p><b>Amount:</b></p> </td><td data-bbox="1149 952 1412 1064"> <p>\$30,000.00</p> </td></tr> <tr> <td data-bbox="710 1086 1021 1579"> <p><b>Component Description:</b></p> </td><td data-bbox="1149 1086 1412 1579"> <p>Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p> </td></tr> <tr> <td data-bbox="710 1579 1021 1646"> <p><b>Amount:</b></p> </td><td data-bbox="1149 1579 1412 1646"> <p>\$15,000.00</p> </td></tr> </table> | <p><b>Component Description:</b></p> | <p>Updated cost includes taxes and shipping. Please see Exhibit 14.</p>                                    | <p><b>Amount:</b></p> | <p>\$18,637.33</p> | <p><b>Component Description:</b></p> | <p>Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p> | <p><b>Amount:</b></p> | <p>\$30,000.00</p> | <p><b>Component Description:</b></p> | <p>Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p> | <p><b>Amount:</b></p> | <p>\$15,000.00</p> |
| <p><b>Component Description:</b></p>  | <p>Updated cost includes taxes and shipping. Please see Exhibit 14.</p>  |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Amount:</b></p>   | <p>\$18,637.33</p>   |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Component Description:</b></p>  | <p>Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p>  |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Amount:</b></p>   | <p>\$30,000.00</p>   |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Component Description:</b></p>  | <p>Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of the Interim Antenna, pro rata share. (See Exhibit 6C, 3-B.)</p>  |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Amount:</b></p>   | <p>\$15,000.00</p>   |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p>Ice Shield</p>   | <table> <tr> <td data-bbox="710 1736 1021 1982"> <p><b>Component Description:</b></p> </td><td data-bbox="1149 1736 1412 1982"> <p>Ice shield for side-mounted interim antenna. Omitted from original estimate. Please see Exhibit 14.</p> </td></tr> <tr> <td data-bbox="710 1982 1021 2067"> <p><b>Amount:</b></p> </td><td data-bbox="1149 1982 1412 2067"> <p>\$744.81</p> </td></tr> </table>   | <p><b>Component Description:</b></p> | <p>Ice shield for side-mounted interim antenna. Omitted from original estimate. Please see Exhibit 14.</p> | <p><b>Amount:</b></p> | <p>\$744.81</p>    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Component Description:</b></p>  | <p>Ice shield for side-mounted interim antenna. Omitted from original estimate. Please see Exhibit 14.</p>   |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |
| <p><b>Amount:</b></p>   | <p>\$744.81</p>  |                                      |  |                       |                    |                                      |   |                       |                    |                                      |   |                       |                    |

|  |  |
|--|--|
| Sweep test of existing antenna   | <div> <div> <b>Component Description:</b><br/><br/> <b>Amount:</b> </div> <div> Down payment for sweep test of antenna and line.<br/> \$2,880.00 </div> </div> <div> <div> <b>Component Description:</b><br/><br/> <b>Amount:</b> </div> <div> Progress payment for sweep measurements of antenna and line. Please see Exhibit 5A for quote.<br/> \$2,880.00 </div> </div>   |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | <div> <div> <b>Component Description:</b><br/><br/> <b>Amount:</b> </div> <div> Primary Antenna and Elbow Complex Down Payment. Please see Exhibit 5A for Quote. Excludes Vertical Polarization Upgrade.<br/> \$72,846.00 </div> </div> <div> <div> <b>Component Description:</b><br/><br/> <b>Amount:</b> </div> <div> Progress payment for primary antenna and elbow complex. Excludes vertical polarization. Please see Exhibit 31A.<br/> \$72,846.00 </div> </div> |

## 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   | \$416,728.90                | \$180,002.57   |  | \$180,002.57 |                           |
| TX Line to Interim Combiner | <i>\$34,890.00</i>          | \$34,890.00    | Horizontal run of transmission line between transmitter and interim combiner. Includes Installation. (See Exhibit 7B.)   | \$34,890.00  | N/A                       |
| Interim Coax Switch         | <i>\$50,503.90</i>          | \$50,503.90    | Coaxial switch between interim transmitter and combiner. Permits off-air testing of interim transmitter. Includes Installation. (See Exhibit 3B, Items D and G.) | \$50,503.90  | N/A                       |



|   |                     |                     |   |                     |  |
|---|---------------------|---------------------|---|---------------------|--|
| Rigid Transmission Line - copper, 7 3/16" broadband | \$331,335.00        | \$94,608.67         | Pro-rata Material costs for 995 foot 7-3/16" Broadband transmission line and three (3) elbows. Updated cost includes taxes and shipping for many cut pieces. Please see Exhibit 14. | \$94,608.67         | Updated cost includes taxes and shipping for many cut pieces. Please see Exhibit 14. |
| <b>Primary Transmission Line</b>                    | <b>\$350,344.21</b> | <b>\$269,399.81</b> |   | <b>\$190,919.93</b> |  |
| Horiz and Ceiling Anchors                           | <b>\$1,287.64</b>   | \$1,287.64          | Horizontal and Ceiling Mounting Hardware for Primary Line (please see Quote in Exhibit 35). Includes shipping (please see Exhibit 37).  | \$1,287.64          | N/A  |
| RF Accessories                                      | <b>\$74,132.42</b>  | \$74,132.42         | Coaxial Switch, Switch Controller, Dummy Load, etc. See Exhibit 9, Item C.  | N/A                 | N/A  |
| Additional Elbow                                    | <b>\$2,139.84</b>   | \$2,139.84          | Additional 6-inch elbow (Exhibit 32). Includes shipping (Exhibit 34).   | \$2,139.84          | N/A  |

|  |                   |                |  |                |     |
|--|-------------------|----------------|--|----------------|-----|
| Rigid Transmission Line - copper, 6 1/8" broadband | \$266,800.00      | \$185,855.60   | Required for new antenna (see Exhibit 5A).   | \$181,707.54   | N/A |
| TX Line Mounting Hardware                          | <b>\$5,984.31</b> | \$5,984.31     | Primary Transmission Line Mounting Hardware. Please see Exhibit 24 for quotation. Includes sales tax and freight shown in Exhibit 25. Also includes additional hardware shown in Exhibit 26. | \$5,784.91     | N/A |
| <b>Sub-total</b>                                   | \$767,073.11      | \$449,402.38   | N/A  | \$370,922.50   | N/A |
| <b>Total for all systems</b>                       | \$3,830,098.07    | \$3,022,227.86 | N/A  | \$2,690,086.92 | N/A |

## Components

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

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TX Line to Interim Combiner

**Component Description:** Increased form original scope. Please see Exhibit 14.

**Amount:** \$8,722.50

**Component Description:** Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of materials and labor to connect Interim transmitter to combiner. (See Exhibit 6C, 1-B-1.)

**Amount:** \$8,722.50

**Component Description:** Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of materials and labor to connect Interim transmitter to combiner. (See Exhibit 6C, 1-B-1.)

**Amount:** \$17,445.00

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|                     |                               |  |
|---------------------|-------------------------------|--|
| Interim Coax Switch |                               |  |
|                     | <b>Component Description:</b> | Final payment for Items D and G Exhibit 3B.  |
|                     | <b>Amount:</b>                | \$33,669.27  |
|                     |                               |  |
|                     | <b>Component Description:</b> | One-third progress payment of items D and G from GatesAir quote Q-76546 (please see Exhibit 3B). |
|                     | <b>Amount:</b>                | \$16,834.63  |

Rigid Transmission Line -  
copper, 7 3/16" broadband

**Component Description:**

Updated cost  
includes taxes and  
shipping for many  
cut pieces. Please  
see Exhibit 14.

**Amount:**

\$36,401.17

**Component Description:**

Invoice is 50%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 50% of Interim  
Transmission Line,  
pro rata share.  
(See Exhibit 6C, 3-  
A.)

**Amount:**

\$38,805.00

**Component Description:**

Invoice is 25%  
Down Payment for  
\$438,330 ATC total  
estimated cost,  
main plus interim.  
(See Exhibits 6C  
and 7C). This cost  
is 25% of Interim  
Transmission Line,  
pro rata share.  
(See Exhibit 6C, 3-  
A.)

**Amount:**

\$19,402.50

|                                  |   |                               |   |                |            |                               |  |                |          |
|----------------------------------|---|-------------------------------|---|----------------|------------|-------------------------------|--|----------------|----------|
| <p>Horiz and Ceiling Anchors</p> | <table> <tr> <td data-bbox="708 174 1015 210"><b>Component Description:</b></td><td data-bbox="1150 174 1378 405">Horizontal and ceiling mounting hangers for primary transmission line. See quote in Exhibit 35.</td></tr> <tr> <td data-bbox="708 416 815 452"><b>Amount:</b></td><td data-bbox="1150 416 1267 452">\$1,172.80</td></tr> <tr> <td data-bbox="708 555 1015 591"><b>Component Description:</b></td><td data-bbox="1150 555 1353 745">Freight for ceiling and horizontal transmission line hangers - primary line.</td></tr> <tr> <td data-bbox="708 757 815 792"><b>Amount:</b></td><td data-bbox="1150 757 1246 792">\$114.84</td></tr> </table> | <b>Component Description:</b> | Horizontal and ceiling mounting hangers for primary transmission line. See quote in Exhibit 35. | <b>Amount:</b> | \$1,172.80 | <b>Component Description:</b> | Freight for ceiling and horizontal transmission line hangers - primary line. | <b>Amount:</b> | \$114.84 |
| <b>Component Description:</b>    | Horizontal and ceiling mounting hangers for primary transmission line. See quote in Exhibit 35.   |                               |   |                |            |                               |  |                |          |
| <b>Amount:</b>                   | \$1,172.80  |                               |   |                |            |                               |  |                |          |
| <b>Component Description:</b>    | Freight for ceiling and horizontal transmission line hangers - primary line.  |                               |   |                |            |                               |  |                |          |
| <b>Amount:</b>                   | \$114.84  |                               |   |                |            |                               |  |                |          |
| <p>RF Accessories</p>            | <p>Information not provided.</p>  |                               |   |                |            |                               |  |                |          |
| <p>Additional Elbow</p>          | <table> <tr> <td data-bbox="708 1003 1015 1039"><b>Component Description:</b></td><td data-bbox="1150 1003 1378 1111">One six-inch elbow. Please see quote in Exhibit 32.</td></tr> <tr> <td data-bbox="708 1122 815 1158"><b>Amount:</b></td><td data-bbox="1150 1122 1267 1158">\$2,025.00</td></tr> <tr> <td data-bbox="708 1261 1015 1296"><b>Component Description:</b></td><td data-bbox="1150 1261 1353 1330">Freight - One Six-Inch elbow.</td></tr> <tr> <td data-bbox="708 1341 815 1377"><b>Amount:</b></td><td data-bbox="1150 1341 1246 1377">\$114.84</td></tr> </table>  | <b>Component Description:</b> | One six-inch elbow. Please see quote in Exhibit 32.   | <b>Amount:</b> | \$2,025.00 | <b>Component Description:</b> | Freight - One Six-Inch elbow.  | <b>Amount:</b> | \$114.84 |
| <b>Component Description:</b>    | One six-inch elbow. Please see quote in Exhibit 32.   |                               |   |                |            |                               |  |                |          |
| <b>Amount:</b>                   | \$2,025.00  |                               |   |                |            |                               |  |                |          |
| <b>Component Description:</b>    | Freight - One Six-Inch elbow.   |                               |   |                |            |                               |  |                |          |
| <b>Amount:</b>                   | \$114.84  |                               |   |                |            |                               |  |                |          |

Rigid Transmission Line -  
copper, 6 1/8" broadband

**Component Description:**

Primary  
transmission line -  
cut pieces. Please  
see Exhibit 5A.  
Freight shown  
separately.

**Amount:**

\$8,250.00

**Component Description:**

Down payment for  
primary  
transmission line.  
Please see Exhibit  
5A line item 3.

**Amount:**

\$83,635.02

**Component Description:**

Progress payment  
for primary  
transmission line.  
Please see Exhibit  
5B for quote.

**Amount:**

\$83,635.02

**Component Description:**

Primary  
transmission line;  
cut pieces. Please  
see Exhibit 5A for  
quote.

**Amount:**

\$2,062.50

**Component Description:**

Primary  
transmission line,  
cut lengths. Please  
see Exhibit 5A.  
Freight shown  
separately.

**Amount:**

\$4,125.00

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TX Line Mounting Hardware

**Component Description:**

Hardware for  
primary  
transmission line.  
See quote in  
Exhibit 24. Includes  
Freight and Sales  
Tax.

**Amount:**

\$5,784.91

**Component Description:**

Additional  
hardware for  
primary  
transmission line.  
WWJ-TV has  
elected to NOT  
seek  
reimbursement for  
this invoice.

**Amount:**

N/A

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## 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                         |
|--|-----------------------------|---------------------|--|---------------------|---|
| <b>Primary Tower</b>   | <b>\$626,113.00</b>         | <b>\$410,189.00</b> |  | <b>\$395,755.67</b> |   |
| <b>GTOWER</b>  |                             |                     |  |                     |   |
| Complex Tower<br>(includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00                | \$377,109.00        | Remove and Install top-mounted, candelabra antenna. Remove 1,200 feet of waveguide and install an equal length of rigid coaxial line. Please see Exhibit 21. Includes \$57,200 in Bad Weather Days. See Exhibits 27, 28, and 29. | \$377,109.00        | N/A   |
| Minor tower reinforcement /modifications   | \$158,000.00                | \$4,000.00          | Cost for plumb and tension after customer installation is complete. See Exhibit 6B.  | \$4,166.67          | Only plumb and tension necessary. See Exhibit 14. |

|  |                    |             |  |             |     |
|--|--------------------|-------------|--|-------------|-----|
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00        | \$8,267.00  | Cost decreased from prior estimate. See Exhibit 6B.  | \$0.00      | N/A |
| Structural Engineering   | <b>\$6,333.00</b>  | \$6,333.00  | Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. Cost decreased since last estimate. See Exhibit 6B.                       | \$0.00      | N/A |
| Tower Project Management   | <b>\$14,480.00</b> | \$14,480.00 | Project management fee for both the primary and interim antenna. See Exhibits 6B, 1-A-1 (\$9,480) and 7B, 3-D-1 (\$5,000). Scheduling and management of the timelines and schedules occurring during the | \$14,480.00 | N/A |

|                                  |                |                |  |                |     |
|----------------------------------|----------------|----------------|--|----------------|-----|
| Permit<br>Drawing<br>Packages    | <b>\$0.00</b>  | \$0.00         | No Permit<br>drawing<br>packages<br>required for<br>tower or<br>building A&E.<br>Please see<br>Exhibit 14. | \$0.00         | N/A |
| <b>Sub-total</b>                 | \$626,113.00   | \$410,189.00   | N/A  | \$395,755.67   | N/A |
| <b>Total for all<br/>systems</b> | \$3,830,098.07 | \$3,022,227.86 | N/A  | \$2,690,086.92 | N/A |

Components

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

|   |                               |  |
|---|-------------------------------|--|
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) |                               |  |
|   | <b>Component Description:</b> | Primary Antenna and Line Rigging Final Payment. Please see Exhibit 21 for quotation. |
|   | <b>Amount:</b>                | \$159,954.50   |
|   |                               |  |
|   | <b>Component Description:</b> | Bad Weather Days. Please see Exhibit 27.   |
|   | <b>Amount:</b>                | \$8,450.00   |
|   |                               |  |
|   | <b>Component Description:</b> | 50% Down Payment for Tower Rigging. Please see Exhibit 21 for quotation.             |
|   | <b>Amount:</b>                | \$159,954.50   |
|   |                               |  |
|   | <b>Component Description:</b> | Bad Weather Days. Please see Exhibit 28.   |
|   | <b>Amount:</b>                | \$29,250.00  |
|   |                               |  |
|   | <b>Component Description:</b> | Bad Weather Days. Please see Exhibit 29.   |
|   | <b>Amount:</b>                | \$19,500.00  |

|   |  |
|---|--|
| Minor tower reinforcement<br>/modifications | <div> <b>Component Description:</b> Only plumb and tension necessary.<br/>See Exhibit 14.         </div> <div> <b>Amount:</b> \$1,166.67         </div>  |
|   | <div> <b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of tower Plumb and Tension, pro rata share. (See Exhibit 7C, 3-A-2.)         </div> <div> <b>Amount:</b> \$2,000.00         </div> |
|   | <div> <b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of tower Plumb and Tension, pro rata share. (See Exhibit 7C, 3-A-2.)         </div> <div> <b>Amount:</b> \$1,000.00         </div> |

|   |                               |  |
|---|-------------------------------|--|
| Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study | <b>Component Description:</b> | Credits \$6,200.01 for costs claimed to be invoiced separately. See Exhibit 14.  |
|   | <b>Amount:</b>                | (\$6,200.01)   |
|   | <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Tower Mapping, pro rata share. (See Exhibit 7C, 3-A-1.) |
|   | <b>Amount:</b>                | \$2,066.67   |
|   | <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Tower Mapping, pro rata share. (See Exhibit 7C, 3-A-1.) |
|   | <b>Amount:</b>                | \$4,133.34   |

|                               |   |                               |  |                |              |                               |  |                |            |                               |  |                |            |
|-------------------------------|---|-------------------------------|--|----------------|--------------|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| Structural Engineering        | <table> <tr> <td data-bbox="699 87 1141 369"><b>Component Description:</b></td><td data-bbox="1141 87 1426 369">Credits \$4,749.99 for items claimed to be invoiced separately. Please see Exhibit 14.</td></tr> <tr> <td data-bbox="699 369 1141 459"><b>Amount:</b></td><td data-bbox="1141 369 1426 459">(\$4,749.99)</td></tr> <tr> <td data-bbox="699 459 1141 996"><b>Component Description:</b></td><td data-bbox="1141 459 1426 996">Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.)</td></tr> <tr> <td data-bbox="699 996 1141 1086"><b>Amount:</b></td><td data-bbox="1141 996 1426 1086">\$1,583.33</td></tr> <tr> <td data-bbox="699 1086 1141 1697"><b>Component Description:</b></td><td data-bbox="1141 1086 1426 1697">Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.)</td></tr> <tr> <td data-bbox="699 1697 1141 1787"><b>Amount:</b></td><td data-bbox="1141 1697 1426 1787">\$3,166.66</td></tr> </table> | <b>Component Description:</b> | Credits \$4,749.99 for items claimed to be invoiced separately. Please see Exhibit 14. | <b>Amount:</b> | (\$4,749.99) | <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.) | <b>Amount:</b> | \$1,583.33 | <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.) | <b>Amount:</b> | \$3,166.66 |
| <b>Component Description:</b> | Credits \$4,749.99 for items claimed to be invoiced separately. Please see Exhibit 14.  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>                | (\$4,749.99)  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.)  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>                | \$1,583.33  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Structural Analysis, pro rata share. (See Exhibit 6C, 3-A-1.)  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>                | \$3,166.66  |                               |  |                |              |                               |  |                |            |                               |  |                |            |
| Tower Project Management      |   |                               |  |                |              |                               |  |                |            |                               |  |                |            |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Credits 75% of the \$9,480 Project Management fee (see Exhibits 11C and 13C 1A1) and adds \$1,250 for Project Management (Exhibit 14, 3D1 - two places). |
| <b>Amount:</b>                | (\$5,860.00)   |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Project Management. See Exhibit 15. Previously Invoiced on Milestone 1 (Exhibit 11C) and Milestone 2 (Exhibit 13C) but later refunded (Exhibit 14). |
| <b>Amount:</b>                | \$9,480.00  |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Interim plus Primary project management. (See Exhibit 6C, 1-A-1 plus Exhibit 7C 3-D-1.) |
| <b>Amount:</b>                | \$3,620.00   |



**Component Description:**

Invoice is 50%  
Down Payment for  
\$438,330 ATC  
total estimated  
cost, main plus  
interim. (See  
Exhibits 6C and  
7C). This cost is  
50% of Interim  
plus Primary  
project  
management.  
(See Exhibit 6C, 1-  
A-1 plus Exhibit  
7C, 3-D-1.)

**Amount:**

\$7,240.00

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Permit Drawing Packages

**Component Description:** No permits required by local jurisdiction. Please see Exhibit 14.

**Amount:** (\$7,050.00)

**Component Description:** Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Tower plus Building Permit Packages, pro rata share. (See Exhibit 7C, 3-D-1 (\$4,700 twice).

**Amount:** \$4,700.00

**Component Description:** Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Tower plus Building Permit Packages, pro rata share. (See Exhibit 7C, 3-D-1 (\$4,700 twice).

**Amount:** \$2,350.00

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## 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 |
|---|-----------------------------|--------------------|--|--------------------|---------------------------|
| <b>Outside Professional Services</b>  | <b>\$92,775.00</b>          | <b>\$70,083.00</b> |  | <b>\$13,008.33</b> |                           |
| RF System Test - Interim  | <i>\$5,000.00</i>           | \$5,000.00         | Radiofrequency system test of interim antenna system and combiner. Please see Exhibit 14, item 3-D-1, which was missed on the original estimate. | \$5,000.00         | N/A                       |
| Site Coordination Meeting   | <i>\$2,500.00</i>           | \$2,500.00         | Meeting to coordinate efforts between broadcasters, tower owner, and tower contractors.  | \$2,500.00         | N/A                       |
| RF Exposure Measurements  | \$21,050.00                 | \$3,333.00         | RF Exposure measurements. See Exhibit 7B.  | \$833.33           | N/A                       |
| ASR modification (prepare FCC Form 854)                                     | \$2,105.00                  | \$250.00           | 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                       |

|   |            |            |     |            |     |
|---|------------|------------|-----|------------|-----|
| 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 |
| 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 | \$1,300.00 | 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 |
| Perform engineering study for new channel assignment and antenna development  | \$7,360.00 | \$7,000.00 | N/A | \$875.00   | N/A |

|  |                |                |                                   |                |     |
|--|----------------|----------------|-----------------------------------|----------------|-----|
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00     | \$2,500.00     | Please see Exhibit 14.            | \$2,500.00     | N/A |
| Project management of the transition   | \$39,500.00    | \$37,500.00    | Company lacks internal resources. | N/A            | N/A |
| <b>Sub-total</b>   | \$92,775.00    | \$70,083.00    | N/A                               | \$13,008.33    | N/A |
| <b>Total for all systems</b>   | \$3,830,098.07 | \$3,022,227.86 | N/A                               | \$2,690,086.92 | N/A |

## Components

| Actual Information       |   |  |
|--------------------------|---|--|
| Description              | File Name   |  |
| RF System Test - Interim | <b>Component Description:</b><br><br><b>Amount:</b> | Radiofrequency system test of interim antenna system and combiner. Missed in original estimate. Please see Exhibit 14.<br><br>\$5,000.00 |

|                               |  |                               |   |                |          |                               |   |                |          |                               |   |                |            |
|-------------------------------|--|-------------------------------|---|----------------|----------|-------------------------------|---|----------------|----------|-------------------------------|---|----------------|------------|
| Site Coordination Meeting     | <table> <tr> <td data-bbox="689 87 1098 324"><b>Component Description:</b></td><td data-bbox="1098 87 1426 324">Site coordination meetings. Please see Exhibit 14; 1-B-1.</td></tr> <tr> <td data-bbox="689 324 1098 436"><b>Amount:</b></td><td data-bbox="1098 324 1426 436">\$625.00</td></tr> <tr> <td data-bbox="689 436 1098 952"><b>Component Description:</b></td><td data-bbox="1098 436 1426 952">Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.)</td></tr> <tr> <td data-bbox="689 952 1098 1064"><b>Amount:</b></td><td data-bbox="1098 952 1426 1064">\$625.00</td></tr> <tr> <td data-bbox="689 1064 1098 1655"><b>Component Description:</b></td><td data-bbox="1098 1064 1426 1655">Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.)</td></tr> <tr> <td data-bbox="689 1655 1098 1767"><b>Amount:</b></td><td data-bbox="1098 1655 1426 1767">\$1,250.00</td></tr> </table> | <b>Component Description:</b> | Site coordination meetings. Please see Exhibit 14; 1-B-1. | <b>Amount:</b> | \$625.00 | <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.) | <b>Amount:</b> | \$625.00 | <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.) | <b>Amount:</b> | \$1,250.00 |
| <b>Component Description:</b> | Site coordination meetings. Please see Exhibit 14; 1-B-1.  |                               |   |                |          |                               |   |                |          |                               |   |                |            |
| <b>Amount:</b>                | \$625.00   |                               |   |                |          |                               |   |                |          |                               |   |                |            |
| <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.)  |                               |   |                |          |                               |   |                |          |                               |   |                |            |
| <b>Amount:</b>                | \$625.00   |                               |   |                |          |                               |   |                |          |                               |   |                |            |
| <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Site Coordination Meetings, pro rata share. (See Exhibit 7C, 1-B-1.)  |                               |   |                |          |                               |   |                |          |                               |   |                |            |
| <b>Amount:</b>                | \$1,250.00   |                               |   |                |          |                               |   |                |          |                               |   |                |            |

|   |  |                               |  |                |              |                               |   |                |            |                               |   |                |          |
|---|--|-------------------------------|--|----------------|--------------|-------------------------------|---|----------------|------------|-------------------------------|---|----------------|----------|
| RF Exposure<br>Measurements   | <table> <tr> <td data-bbox="703 174 1011 210"><b>Component Description:</b></td><td data-bbox="1145 174 1366 327">Please see Exhibit 14. Actual cost apparently less than anticipated.</td></tr> <tr> <td data-bbox="703 338 815 367"><b>Amount:</b></td><td data-bbox="1145 338 1278 367">(\$1,666.67)</td></tr> <tr> <td data-bbox="703 477 1011 512"><b>Component Description:</b></td><td data-bbox="1145 477 1374 943">Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.)</td></tr> <tr> <td data-bbox="703 954 815 983"><b>Amount:</b></td><td data-bbox="1145 954 1262 983">\$1,666.67</td></tr> <tr> <td data-bbox="703 1093 1011 1128"><b>Component Description:</b></td><td data-bbox="1145 1093 1374 1559">Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.)</td></tr> <tr> <td data-bbox="703 1570 815 1599"><b>Amount:</b></td><td data-bbox="1145 1570 1241 1599">\$833.33</td></tr> </table> | <b>Component Description:</b> | Please see Exhibit 14. Actual cost apparently less than anticipated. | <b>Amount:</b> | (\$1,666.67) | <b>Component Description:</b> | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.) | <b>Amount:</b> | \$1,666.67 | <b>Component Description:</b> | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.) | <b>Amount:</b> | \$833.33 |
| <b>Component Description:</b>   | Please see Exhibit 14. Actual cost apparently less than anticipated.   |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| <b>Amount:</b>  | (\$1,666.67)   |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| <b>Component Description:</b>   | Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.)  |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| <b>Amount:</b>  | \$1,666.67   |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| <b>Component Description:</b>   | Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Interim RF Exposure Measurements, pro rata share. (See Exhibit 6C, 1-A-4.)  |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| <b>Amount:</b>  | \$833.33   |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| ASR modification (prepare FCC Form 854)                                     | Information not provided.  |                               |  |                |              |                               |   |                |            |                               |   |                |          |
| Attorney Fees - Negotiation of lease and other matters for shared locations | Information not provided.  |                               |  |                |              |                               |   |                |            |                               |   |                |          |

|  |  |
|--|--|
| RF Consulting Engineer<br>Fees- Aux Antenna:<br>Prepare engineering<br>section of FCC Form 2100,<br>License to Cover<br>Application    | Information not provided.  |
| Prepare engineering<br>section of FCC Form 2100<br>(main), License to Cover<br>Application   | Information not provided.  |
| RF Consulting Engineer<br>Fees- Aux Antenna:<br>Prepare engineering<br>section of FCC Form 2100,<br>Construction Permit<br>Application | <p><b>Component Description:</b> Prepare<br/>Engineering<br/>Section of FCC<br/>Construction Permit<br/>Application.</p> <p><b>Amount:</b> \$1,300.00</p>  |
| Prepare engineering<br>section of FCC Form 2100<br>(main), Construction Permit<br>Application  | Information not provided.  |
| Perform engineering study<br>for new channel<br>assignment and antenna<br>development  | <p><b>Component Description:</b> Conduct review of<br/>channel<br/>assignment.<br/>Determine Max<br/>ERP.</p> <p><b>Amount:</b> \$875.00</p>   |
| Address transition timing<br>and coordination issues w/<br>other stations and wireless   | <p><b>Component Description:</b> Address transition<br/>timing. This item<br/>was missed on<br/>original ATC<br/>estimate but<br/>included in Exhibit<br/>14.</p> <p><b>Amount:</b> \$2,500.00</p> |
| Project management of the<br>transition  | 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 Cost Justification |
|--|-----------------------------|--------------------|--|--------------------|---------------------------|
| <b>Other Expenses</b>  | <b>\$95,116.36</b>          | <b>\$87,266.36</b> |  | <b>\$20,726.56</b> |                           |
| Deinstall Old Transmitter  | <i>\$21,844.80</i>          | \$21,844.80        | Complete disconnection of Harris Sigma CD transmitter and move to staging area on site. (See Exhibit 3B, Item I.)  | \$0.00             | N/A                       |
| Equipment Delivery and Handling Charges                                  | <i>\$34,276.56</i>          | \$34,276.56        | Includes shipping for primary transmitter (Exhibit 3B, Page 1), Primary Antenna and TX Line (Exhibit 38), and various cut length lines (Exhibits 39A, 40A, and 42A.) | \$16,976.56        | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$20,000.00</i>          | \$20,000.00        | N/A  | N/A                | N/A                       |

|  |                   |                |  |                |     |
|--|-------------------|----------------|--|----------------|-----|
| Non-zoning permits                                       | <b>\$0.00</b>     | \$0.00         | No permits were required by the local jurisdiction. Please see Exhibit 14. | \$0.00         | N/A |
| Local Zoning   | <b>\$5,000.00</b> | \$5,000.00     | 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       | \$3,750.00     | Please see quote in Exhibit 43   | \$3,750.00     | N/A |
| MVPD Notification of Channel Change                      | <b>\$1,000.00</b> | \$1,000.00     | 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 |
| <b>Sub-total</b>   | \$95,116.36       | \$87,266.36    | N/A  | \$20,726.56    | N/A |
| <b>Total for all systems</b>                             | \$3,830,098.07    | \$3,022,227.86 | N/A  | \$2,690,086.92 | N/A |

## Components

**Actual Information**  
**Description**

**File Name**

|                               |   |                               |   |                |            |                               |  |                |              |
|-------------------------------|---|-------------------------------|---|----------------|------------|-------------------------------|--|----------------|--------------|
| Deinstall Old Transmitter     | <table> <tr> <td data-bbox="708 98 1139 524"><b>Component Description:</b></td><td data-bbox="1139 98 1428 524">One-third progress payment of item I from GatesAir quote Q-76546 (please see Exhibit 3B).</td></tr> <tr> <td data-bbox="708 524 1139 591"><b>Amount:</b></td><td data-bbox="1139 524 1428 591">\$7,281.60</td></tr> <tr> <td data-bbox="708 591 1139 949"><b>Component Description:</b></td><td data-bbox="1139 591 1428 949">Credit for removal of old transmitter (see Exhibit 3B Item I) since work has not been completed. Will be billed on a future invoice.</td></tr> <tr> <td data-bbox="708 949 1139 960"><b>Amount:</b></td><td data-bbox="1139 949 1428 960">(\$7,281.60)</td></tr> </table> | <b>Component Description:</b> | One-third progress payment of item I from GatesAir quote Q-76546 (please see Exhibit 3B). | <b>Amount:</b> | \$7,281.60 | <b>Component Description:</b> | Credit for removal of old transmitter (see Exhibit 3B Item I) since work has not been completed. Will be billed on a future invoice. | <b>Amount:</b> | (\$7,281.60) |
| <b>Component Description:</b> | One-third progress payment of item I from GatesAir quote Q-76546 (please see Exhibit 3B).   |                               |   |                |            |                               |  |                |              |
| <b>Amount:</b>                | \$7,281.60  |                               |   |                |            |                               |  |                |              |
| <b>Component Description:</b> | Credit for removal of old transmitter (see Exhibit 3B Item I) since work has not been completed. Will be billed on a future invoice.  |                               |   |                |            |                               |  |                |              |
| <b>Amount:</b>                | (\$7,281.60)  |                               |   |                |            |                               |  |                |              |

|  |   |
|--|---|
| Equipment Delivery and Handling Charges                                  | <p><b>Component Description:</b> Shipping for Primary Antenna and Transmission Line. Please see Exhibit 38.</p> <p><b>Amount:</b> \$9,070.20</p>                          |
|  | <p><b>Component Description:</b> Freight for Primary Transmission Line Cut Sections. See Exhibit 39A.</p> <p><b>Amount:</b> \$1,073.45</p>                                |
|  | <p><b>Component Description:</b> Freight for Cut Length Primary Transmission Lines shown in Dielectric Invoice 677031 (Exhibit 41A).</p> <p><b>Amount:</b> \$1,209.80</p> |
|  | <p><b>Component Description:</b> Freight for Primary Transmission Line Cut Sections. Please see Exhibit 40A.</p> <p><b>Amount:</b> \$5,623.11</p>                         |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided.   |

|   |  |
|---|--|
| Non-zoning permits                                      | <div data-bbox="715 174 1377 369"> <p><b>Component Description:</b> No permits were required by local jurisdiction. Please see Exhibit 14.</p> <p><b>Amount:</b> (\$562.50)</p> </div> <div data-bbox="715 477 1377 947"> <p><b>Component Description:</b> Invoice is 50% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 50% of Building Permit costs. (See Exhibit 7C, 1-A-3.)</p> <p><b>Amount:</b> \$375.00</p> </div> <div data-bbox="715 1055 1377 1525"> <p><b>Component Description:</b> Invoice is 25% Down Payment for \$438,330 ATC total estimated cost, main plus interim. (See Exhibits 6C and 7C). This cost is 25% of Building Permit costs. (See Exhibit 7C, 1-A-3.)</p> <p><b>Amount:</b> \$187.50</p> </div> |
| Local Zoning  | Information not provided.  |
| FCC Filing Fees - Form 2100 minor change CP application | Information not provided.  |
| DTV Medical Facility Notification                       | <div data-bbox="715 1888 1294 2000"> <p><b>Component Description:</b> Please see quotation in Exhibit 43.</p> </div> <div data-bbox="715 2011 1273 2045"> <p><b>Amount:</b> \$3,750.00</p> </div>  |

|  |                           |
|--|---------------------------|
| MVPD Notification of Channel Change                      | Information not provided. |
| FCC Filing Fees - Form 2100 license to cover application | Information not provided. |

|                         |                              |                                    |                       |
|-------------------------|------------------------------|------------------------------------|-----------------------|
| <b>Cost Information</b> | <b>Grand Total</b>           |                                    |                       |
|                         |                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> |
|                         |                              |                                    | <b>Actual Cost</b>    |
|                         | <b>Total for all systems</b> | \$3,830,098.07                     | \$3,022,227.86        |
|                         |                              |                                    | \$2,690,086.92        |

|                             |  |                 |
|-----------------------------|--|-----------------|
| <b>Reimbursement Status</b> | <b>Question</b>  | <b>Response</b> |
|                             | 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 | <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"> <li>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.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>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.</li> </ol> |          |



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.

|   |   |
|---|---|
| <p>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.</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><b>Andrew J Siegel</b><br/> <i>Assistant Secretary</i></p> <p>04/16/2020</p> |

## Attachments