

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **53114** | Service: **DTV** | Call **WDIV-TV** | Channel: **32 (UHF)** |  
 ID: | Sign:  
 File **0000027867**  
 Number:  
 FRN: **0002161123** | Date **04/15**  
 Submitted: **/2020**

## Applicant Information Applicant Name, Type, and Contact Information

| Applicant                                 | Address   | Phone             | Email           | Applicant Type |
|---|---|-------------------|-----------------|----------------|
| <b>GRAHAM MEDIA GROUP, MICHIGAN, INC.</b> | Marcus Williams<br>550 WEST LAFAYETTE<br>BOULEVARD<br>DETROIT, MI<br>48226<br>United States | +1 (313) 222-0581 | MARCUS@WDIV.COM | Corporation    |
| Doing Business As:                        |   |                   |                 |                |
| GRAHAM MEDIA GROUP, MICHIGAN, INC.        |   |                   |                 |                |

## Reimbursement Contact Name and Information

| Applicant      | Address | Phone | Email |
|----------------|---------|-------|-------|
| [Confidential] |         |       |       |

## Preparer Contact Name and Information

| Applicant   | Address  | Phone             | Email                     |
|---|--|-------------------|---------------------------|
| <b>William T Godfrey , Jr. .</b><br><i>Consulting Engineers Kessler and Gehman Associates, Inc.</i> | William T. Godfrey, Jr.<br>Kessler and Gehman Associates, Inc.<br>507 NW 60 Street,<br>Suite D<br>Gainesville, FL 32607<br>United States | +1 (352) 332-3157 | jeff@kesslerandgehman.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. |  | No   |
| Briefly describe transition plan   |  | Install new main dual transmitter and main antenna while using licensed AUX facility during tower work and throughout the assigned phase. Map and analyze tower; design and modify tower. Install new AUX antenna and AUX transmitter post-transition. |

**Transmitters**

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

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

| Section   | Question   | Response              |
|---|--|-----------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New       |
|   | Use  | Auxiliary<br>(Backup) |
|   | Description of Use   | Auxiliary             |
|   | 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  | Diamond               |
|   | Year   | 2005                  |
|   | Type   | Solid State           |
|   | Solid State Cooling  | Air Cooled            |
|   | Solid State Power Capacity                                 | 7.5 kW                |

**Auxiliary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response   |
|-----------------|---|--|
| New Transmitter | Use                                       | Auxiliary<br>(Backup)  |
|                 | Change Type                               | Purchase<br>New  |
|                 | Is this a request for upgraded equipment? | No   |
|                 | Manufacturer                              |  |
|                 | Model                                     | UAXTE-<br>12R44  |
|                 | Transmitter Type                          | Solid State  |
|                 | Solid State Cooling                       | Air Cooled   |
|                 | Solid State Power capacity                | 7.2 kW   |
|                 | Justification for New Transmitter         | The<br>manufacturer<br>of the<br>existing<br>transmitter<br>advises that<br>the<br>transmitter<br>cannot be re-<br>tuned to the<br>assigned<br>channel. See<br>attachment. |

**Auxiliary  
Transmitter**

**Other Transmitter Costs**

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

|  |   |   |
|--|---|---|
|  | Size  | N/A   |
|  | Length  | N/A   |
|  | Other Electrical Service  | Yes   |
|  | Description   | Disconnect existing transmitter for removal and connect new transmitter after installation. |
| <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   |

**Auxiliary Transmitter**      **Other Transmitter Cost Not Listed**  
Information not provided.

**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                  |
|   | Year   | 2008                     |
|   | Type   | Inductive<br>Output Tube |
|   | IOT Power Type   | Three                    |
|   | Power Capacity   | 80 kW                    |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response  |
|-----------------|---|---|
| New Transmitter | Use                                       | Primary<br>(Main)   |
|                 | Change Type                               | Purchase<br>New   |
|                 | Is this a request for upgraded equipment? | Yes   |
|                 | Manufacturer                              |   |
|                 | Model                                     | ULXTED-100  |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid<br>Cooled  |
|                 | Solid State Power capacity                | 63.4 kW   |
|                 | Justification for New Transmitter         | The existing 80 kW IOT transmitter configuration is equivalent to a magic tee dual transmission system and not the single ULXTE. Therefore, WDIV is budgeting for the ULXTED model. The next step up is a ULXTED-100 which WDIV is budgeting for (see attached) |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section  | Question  | Response        |
|--|---|-----------------|
| <b>Electrical Service</b>  | Service Entrance (3 phases 800A 208V)   | Yes             |
|  | Switchgear (industrial 800 amp)   | Yes             |
|  | Transformer (480V)  | Yes             |
|  | Power   | 300 kVA         |
|  | Rigid Conduit and Wiring  | Yes             |
|  | Size  | 3 inches        |
|  | Length  | 100.0 feet      |
|  | Other Electrical Service  | No              |
|  | Description   | N/A             |
| <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? | Yes             |
|  | Size  | 0.0 square feet |
| <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>Standby Exciter and Switch</b> | Standby Exciter with Automatic Change Over Switch |



|                                      |  |
|--------------------------------------|--|
| <b>Installation</b>                  | Installation   |
| <b>Additional Interior RF System</b> | Interior RF System Existing Transmitter to Interim Transmission line |

**Antennas**

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

## Auxiliary Antenna

### Existing Antenna Information

| Section                                   | Question   | Response              |
|---|--|-----------------------|
| Existing Antenna<br>Description           | Type of change   | Purchase<br>New       |
|   | Antenna Use  | Auxiliary<br>(Backup) |
|   | Description of Use   | Auxiliary             |
|   | Ownership  | Owned                 |
|   | Owner  | N/A                   |
|   | Site   | N/A                   |
|   | Is the existing antenna shared with another station or stations? | No                    |
|   | Is the existing antenna directional?                             | Yes                   |
|   | Is antenna in operating condition?                               | Yes                   |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                    |
| Existing Antenna<br>Manufacturer and Type | Class  | Full Power            |
|   | Mounting   | Side Mount            |
|   | Antenna position in stack  | Not in Stack          |
|   | 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)                                  | 973.0 kW              |
|   |  |                       |

|              |           |
|--------------|-----------|
| Manufacturer |           |
| Model        | TFU-18DSC |
| Year         | 2005      |

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## Auxiliary Antenna

### New Antenna Costs

| Section                               | Question   | Response              |
|---------------------------------------|--|-----------------------|
| New Antenna<br>Description            | Use  | Auxiliary<br>(Backup) |
|                                       | Description of Use   | Auxiliary             |
|                                       | Change Type  | Purchase New          |
|                                       | Is this a request for upgraded equipment?                            | No                    |
|                                       | Ownership  | Owned                 |
|                                       | Owner  | N/A                   |
|                                       | Is antenna shared?   | No                    |
|                                       | Is antenna directional?  | Yes                   |
|                                       | Will antenna be located on or in close proximity to an antenna farm? | No                    |
| New Antenna<br>Manufacturer and Types | Class  | Full Power            |
|                                       | Mounting   | Side Mount            |
|                                       | Antenna position in stack  | Not in Stack          |
|                                       | Polarization   | Horizontal            |
|                                       | Type   | Slotted<br>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)                                      | 973.0 kW              |
|                                       | Manufacturer   |                       |
|                                       | Model  | TFU-18DSC-<br>R CT3   |

|                               |  |
|-------------------------------|--|
| Year                          | 2018   |
| Justification for New Antenna | The existing and licensed AUX antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. |

## Auxiliary 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?  | Yes                 |
|                                    | Broadband or Single Channel?  | Single Channel      |
|                                    | Feed Line Size  | 6 1/8 inches inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       | Yes                 |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes                 |

|                   |  |     |
|-------------------|--|-----|
| <b>Sweep Test</b> | Do you require the sweep testing of transmission line and antenna? | Yes |
|-------------------|--|-----|

**Auxiliary  
Antenna**

**Other Antenna Cost Not Listed**

| <b>Name</b> | <b>Description</b> |
|-------------|--------------------|
| TLSCR       | TLSCR              |

**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?                             | Yes                |
|   | 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  | Not in Stack       |
|   | Polarization   | Elliptical         |
|   | 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>.....                         | 872.0 kW           |
|   |  |                    |



|              |                        |
|--------------|------------------------|
| Manufacturer |                        |
| Model        | TFU-27ETT<br>VP R4C130 |
| Year         | 2008                   |

## Primary Antenna

### New Antenna Costs

| Section                               | Question   | Response                 |
|---------------------------------------|--|--------------------------|
| New Antenna<br>Description            | Use  | Primary (Main)           |
|                                       | Description of Use   | N/A                      |
|                                       | Change Type  | Purchase New             |
|                                       | Is this a request for upgraded equipment?                            | No                       |
|                                       | Ownership  | Owned                    |
|                                       | Owner  | N/A                      |
|                                       | Is antenna shared?   | No                       |
|                                       | Is antenna directional?  | Yes                      |
|                                       | Will antenna be located on or in close proximity to an antenna farm? | No                       |
| New Antenna<br>Manufacturer and Types | Class  | Full Power               |
|                                       | Mounting   | Top Mount                |
|                                       | Antenna position in stack  | Not in Stack             |
|                                       | Polarization   | Elliptical               |
|                                       | Type   | Slotted<br>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>.....                             | 720.0 kW                 |
|                                       | Manufacturer   |                          |
|                                       | Model  | TFU-23ETT<br>/VP-R 4C130 |
|                                       |  |                          |

|                               |   |
|-------------------------------|---|
| Year                          | 2018  |
| Justification for New Antenna | The existing primary antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question  | Response       |
|------------------------------------|---|----------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?  | No             |
|                                    | Type  |                |
|                                    | Number of channels supported  | N/A            |
|                                    | Frequencies of channels supported   | N/A            |
|                                    | Frequency   | N/A            |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | N/A            |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?  | Yes            |
|                                    | Broadband or Single Channel?  | Single Channel |
|                                    | Feed Line Size  | 6 1/8 inches   |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power 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 |
|-------------------|--|-----|

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Transmission Line**

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

**Primary Transmission Line****Existing Transmission Line**

| Section  | Question   | Response          |
|--|--|-------------------|
| Existing Transmission Line Description           | Type of change   | Utilize Existing  |
|  | Use  | Primary (Main)    |
|  | Description of Use   | N/A               |
|  | Ownership  | Owned             |
|  | Owner  | N/A               |
|  | Site   | N/A               |
|  | Is the existing transmission line shared with another station or stations? | No                |
|  | Is Transmission Line in operating condition?                               | Yes               |
| Existing Transmission Line Manufacturer and Type | Manufacturer   | Dielectric        |
|  | Type   | Rigid             |
|  | Diameter   | 8 3/16 inches     |
|  | Other Diameter   | N/A               |
|  | Segment Length   | Broadband         |
|  | Other Segment Length   | N/A               |
|  | Number of parallel runs  | 1                 |
|  | Length   | 1232 feet per run |

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

| <b>Transmission Line Name</b> | <b>Description</b>   |
|-------------------------------|--|
| <b>Sweep Tests</b>            | Sweep tests to confirm line is acceptable on assigned channel. |
| <b>Miscellaneous Parts</b>    | Miscellaneous Parts  |

**Auxiliary**      **Existing Transmission Line**

| <b>Transmission Line Section</b>                        | <b>Question</b>  | <b>Response</b>    |
|---|--|--------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Utilize Existing   |
|   | Use  | Auxiliary (Backup) |
|   | Description of Use   | Auxiliary          |
|   | 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   | Dielectric         |
|   | Type   | Rigid              |
|   | Diameter   | 6 1/8 inches       |
|   | Other Diameter   | N/A                |
|   | Segment Length   | 19 3/4 inches      |
|   | Other Segment Length   | N/A                |
|   | Number of parallel runs  | 1                  |
|   | Length   | 1110 feet per run  |

Auxiliary  
Transmission Line

Other Transmission Line Expenses Not Listed

| Name        | Description   |
|-------------|---|
| Sweep Tests | Sweep tests to verify operation on assigned channel |

**Tower Equipment And Rigging Costs**

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

**Primary Tower**

**Existing Tower**

| Section   | Question  | Response          |
|---|---|-------------------|
| Existing Tower Description                          | Type of change  | Modify Existing   |
|   | Tower Use   | Primary (Main)    |
|   | Description of Use                                      | N/A               |
|   | Ownership   | Owned             |
|   | Is this tower consider Complex?                         | No                |
|   | Is this tower currently shared with any other stations? | Yes               |
|   | One or more FM, AM or TV radio broadcaster(s)           | Yes               |
|   | Others Types of Users                                   | No                |
|   | Is tower documented for structural analysis?            | Yes               |
|   | Is tower compliant with Rev G?                          | Yes               |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | Yes               |
|   | ASR Number  | 1000830           |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 42° 28' 58.0" N-  |
|   | Longitude (NAD83)                                       | 083° 12' 19.0" W- |
|   | Overall Structure Height                                | 1062.98 feet      |
|   | Support Structure Height                                | 980.96 feet       |
|   | Ground Elevation Above Mean Sea Level (AMSL)            | 685.69 feet       |



|  |                  |  |
|--|------------------|--|
|  | Structure Type   | TOWER - Free Standing or Guyed Structure |
|  | Tower Owner      | Graham Media Group, Michigan, Inc.       |
|  | Date Constructed | 01/01/1988                               |

**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 |
|-------------|-----------|---------|
| 9618        | WXYT-FM   | FM      |

## Primary Tower

### Tower Modification Costs

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

## Primary Tower

### Tower Rigging Costs

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside  
Professional Services Costs**

| Section   | Question   | Response  |
|---|--|---|
| <b>Outside Project Management Services</b>        | Do you require outside project management services?                          | Yes   |
|   | Number of Hours  | 600   |
|   | Explanation  | It will be necessary to schedule and coordinate multiple vendors, complete progress reports, and update Schedule 399. Station does not have available personnel or personnel trained in project management for such complex projects. |
| <b>Outside RF consulting 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 Outside Consulting Services</b> | Prepare and file Form FCC Construction Permit Application                                  | Yes |
|   | For Auxiliary Facility   | Yes |
|   | For Main Facility  | Yes |
|   | Prepare and file Form FCC License to Cover Application                                     | Yes |
|   | For Auxiliary Facility   | Yes |
|   | For Main Facility  | Yes |
|   | Prepare request for Special Temporary Authority  | Yes |
|   | Quantity   | 1   |
|   | NEPA Section 106 environmental review  | No  |
|   | Environmental Assessment   | No  |
|   | ASR Modification   | Yes |
|   | FAA Consultation (including preparation of FAA Form 7460)                                  | Yes |
|   | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|   | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|   | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b>                  | Comprehensive coverage verification via field study  | Yes |
|   | RF exposure measurements   | Yes |
|   | Additional Field Engineering Service   | Yes |

|                |   |
|----------------|---|
| Number of Days | 30  |
| Justification  | It will be necessary to survey the site, plan the equipment, develop specifications for purchasing, and oversee multiple vendor RF projects. Station does not have available personnel or personnel trained in such services. |

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name                              | Description   |
|-----------------------------------|---|
| <b>Other Legal Services</b>       | Other Legal Services related to the DTV Repack  |
| <b>Other Engineering Services</b> | Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 600 hrs (\$90,000 at \$150/hr), & a new OES category has been created & funded with the money removed from PM. |

## 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   | No       |
|                                     | Non-zoning permits   | Yes      |
|                                     | BLM or NFS Coordination  | No       |
|                                     | FCC Construction Permit Minor Change   | No       |
|                                     | FCC License to Cover Application   | No       |
|                                     | 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?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Other Expenses</b> | <b>Other Expenses Not Listed</b> |
|                       | Information not provided.        |

## Cost Information

### Transmitters

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

| Description   | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification  | Actual Cost           | Actual Cost Justification |
|---|-----------------------------|-----------------------|---|-----------------------|---------------------------|
| <b>Primary Transmitter ULXTED-100</b>               | <b>\$2,334,976.52</b>       | <b>\$2,344,078.58</b> |   | <b>\$2,167,878.58</b> |                           |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | <i>\$2,035,852.19</i>       | \$2,035,852.19        | See attached GatesAir quote for ULXTED-100  | \$2,035,852.19        | N/A                       |
| Other -- Building Addition Size: 0.0                | <i>\$48,779.24</i>          | \$48,779.24           | See uploaded PDF titled "WDIV Transmitter Building Preparation for Repack Cost v2.pdf" No building size increase is needed; only building modifications. See attached / uploaded PDF titled "Goyette 048070 v200414pmv1". | \$48,779.24           | N/A                       |
| Additional Interior RF System                       | <i>\$75,000.00</i>          | \$75,000.00           | N/A   | N/A                   | N/A                       |
| Installation  | <i>\$55,745.09</i>          | \$55,745.09           | Fire extinguisher system work; transmitter installation   | \$55,745.09           | N/A                       |



|   |                       |                       |  |                       |     |
|---|-----------------------|-----------------------|--|-----------------------|-----|
| Standby<br>Exciter and<br>Switch  | <b>\$25,000.00</b>    | \$25,000.00           | N/A  | N/A                   | N/A |
| 3" Rigid<br>Conduit and<br>Wiring<br>(Cost per<br>foot)   | \$5,200.00            | \$4,900.00            | N/A  | N/A                   | N/A |
| Switchgear<br>- industrial<br>800 amp   | \$38,200.00           | \$36,300.00           | N/A  | N/A                   | N/A |
| Service<br>entrance 3<br>phase/800<br>amp/208<br>volt   | \$14,400.00           | \$27,502.06           | Please see<br>attached<br>invoices and<br>quotes | \$27,502.06           | N/A |
| Transformer<br>3 phase<br>/480v - 300<br>KVA  | \$36,800.00           | \$35,000.00           | N/A  | N/A                   | N/A |
| <b>Auxiliary<br/>Transmitter<br/>UAXTE-<br/>12R44</b>   | <b>\$247,516.02</b>   | <b>\$247,516.02</b>   |  | <b>\$239,952.02</b>   |     |
| Other<br>Electrical<br>Service:<br>Disconnect<br>existing<br>transmitter<br>for removal<br>and<br>connect<br>new<br>transmitter<br>after<br>installation. | <b>\$5,000.00</b>     | \$5,000.00            | N/A  | N/A                   | N/A |
| UHF - Air<br>Cooled<br>Solid State<br>Transmitter<br>7.2 kW   | <b>\$242,516.02</b>   | \$242,516.02          | See attached<br>quote                            | \$239,952.02          | N/A |
| <b>Sub-total</b>  | <b>\$2,582,492.54</b> | <b>\$2,591,594.60</b> | N/A  | <b>\$2,407,830.60</b> | N/A |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$4,100,331.23 | \$4,300,051.97 | N/A | \$3,051,450.68 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information                                  |  |
|---|--|
| Description   | File Name  |
| UHF - Liquid Cooled Solid State Transmitter 63.4 kW | <div> <div>Component Description:</div> <div>Gates US0328131 v190919pmv1</div> <div>Amount:</div> <div>\$683,116.43</div> </div> <div> <div>Component Description:</div> <div>Grainger 9337281639 v200415pmv1</div> <div>Amount:</div> <div>\$98.00</div> </div> <div> <div>Component Description:</div> <div>Grainger 9341947233 v200415pmv1</div> <div>Amount:</div> <div>\$1,026.00</div> </div> <div> <div>Component Description:</div> <div>Grainger 9319335908 v200415pmv1</div> <div>Amount:</div> <div>\$28.07</div> </div> <div> <div>Component Description:</div> <div>Grainger 9339342173 v200415pmv1</div> <div>Amount:</div> <div>\$88.10</div> </div> <div> <div>Component Description:</div> <div>Grainger 9333360080 v200415pmv1</div> <div>Amount:</div> <div>\$456.00</div> </div> |

|   |                               |   |
|---|-------------------------------|---|
|   | <b>Component Description:</b> | Grainger<br>9323910258<br>v200415pmv1                             |
|   | <b>Amount:</b>                | \$164.18  |
|   | <b>Component Description:</b> | Grainger<br>9319600616<br>v200415pmv1                             |
|   | <b>Amount:</b>                | \$281.75  |
|   | <b>Component Description:</b> | Gates<br>JW30004541-2<br>v190523jgv2                              |
|   | <b>Amount:</b>                | \$678,034.23  |
|   | <b>Component Description:</b> | Gates inv<br>#JW30004541-1 1<br>third dp Prim TX<br>UL2018116jgv1 |
|   | <b>Amount:</b>                | \$672,559.43  |
| Other -- Building Addition<br>Size: 0.0 | <b>Component Description:</b> | Cert Abate 9317<br>v191111pmv1                                    |
|   | <b>Amount:</b>                | \$3,800.00  |
|   | <b>Component Description:</b> | Matheson<br>20602893<br>v191115pmv1                               |
|   | <b>Amount:</b>                | \$200.02  |
|   | <b>Component Description:</b> | Rey Concrete<br>20190107-03<br>v191121pmv2                        |
|   | <b>Amount:</b>                | \$3,400.00  |

|                                  |                               |                                  |
|----------------------------------|-------------------------------|----------------------------------|
|                                  | <b>Component Description:</b> | DDD 0110239-00<br>v191108pmv1    |
|                                  | <b>Amount:</b>                | \$2,000.00                       |
|                                  | <b>Component Description:</b> | Monarch 64092<br>v200415pmv1     |
|                                  | <b>Amount:</b>                | \$21,259.72                      |
|                                  | <b>Component Description:</b> | Cert Abate 9150<br>v200225pmv2   |
|                                  | <b>Amount:</b>                | \$862.50                         |
|                                  | <b>Component Description:</b> | DDD 0110446-00<br>v191108pmv1    |
|                                  | <b>Amount:</b>                | \$600.00                         |
|                                  | <b>Component Description:</b> | MFE 113645<br>v191115pmv1        |
|                                  | <b>Amount:</b>                | \$1,260.00                       |
|                                  | <b>Component Description:</b> | Monahan 9644<br>v191203jgv2      |
|                                  | <b>Amount:</b>                | \$9,997.00                       |
|                                  | <b>Component Description:</b> | Goyette 048070<br>v200414pmv1    |
|                                  | <b>Amount:</b>                | \$5,400.00                       |
| Additional Interior RF<br>System | <b>Component Description:</b> | Great Lakes 22019<br>v200207jgv1 |
|                                  | <b>Amount:</b>                | \$3,000.00                       |

|  |  |
|--|--|
| Installation                                   | <b>Component Description:</b> Talbot 10237-03<br>v200210pmv1<br><b>Amount:</b> \$34,363.50 |
|  | <b>Component Description:</b> Talbot 10237-02<br>v191217jgv2<br><b>Amount:</b> \$11,683.59 |
|  | <b>Component Description:</b> MFE 112032<br>v190805jgv2<br><b>Amount:</b> \$270.00         |
|  | <b>Component Description:</b> Talbot 10237-04<br>v200414pmv1<br><b>Amount:</b> \$7,940.00  |
|  | <b>Component Description:</b> MFE 111915<br>v190805jgv2<br><b>Amount:</b> \$1,488.00       |
| Standby Exciter and Switch                     | Information not provided.  |
| 3" Rigid Conduit and Wiring<br>(Cost per foot) | Information not provided.  |
| Switchgear - industrial 800<br>amp             | Information not provided.  |

|  |   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
|--|---|-------------------------------|--------------------------------|----------------|-------------|-------------------------------|--|----------------|-------------|-------------------------------|--------------------------------------|----------------|-------------|
| <p>Service entrance 3 phase<br/>/800 amp/208 volt</p>  | <table> <tr> <td data-bbox="707 174 1015 208"><b>Component Description:</b></td><td data-bbox="1147 174 1340 246">Talbot 10237-01<br/>v190919pmv1</td></tr> <tr> <td data-bbox="707 257 815 291"><b>Amount:</b></td><td data-bbox="1147 257 1278 291">\$22,679.91</td></tr> <tr> <td data-bbox="707 398 1015 432"><b>Component Description:</b></td><td data-bbox="1147 398 1324 470">Talbot 3894-01<br/>v190705jgv1</td></tr> <tr> <td data-bbox="707 481 815 515"><b>Amount:</b></td><td data-bbox="1147 481 1267 515">\$1,844.00</td></tr> <tr> <td data-bbox="707 622 1015 656"><b>Component Description:</b></td><td data-bbox="1147 622 1324 694">Talbot 3910-01<br/>v191111pmv1</td></tr> <tr> <td data-bbox="707 705 815 739"><b>Amount:</b></td><td data-bbox="1147 705 1267 739">\$2,978.15</td></tr> </table>  | <b>Component Description:</b> | Talbot 10237-01<br>v190919pmv1 | <b>Amount:</b> | \$22,679.91 | <b>Component Description:</b> | Talbot 3894-01<br>v190705jgv1                                    | <b>Amount:</b> | \$1,844.00  | <b>Component Description:</b> | Talbot 3910-01<br>v191111pmv1        | <b>Amount:</b> | \$2,978.15  |
| <b>Component Description:</b>  | Talbot 10237-01<br>v190919pmv1  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$22,679.91   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Component Description:</b>  | Talbot 3894-01<br>v190705jgv1   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$1,844.00  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Component Description:</b>  | Talbot 3910-01<br>v191111pmv1   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$2,978.15  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <p>Transformer 3 phase/480v<br/>- 300 KVA</p>  | <p>Information not provided.</p>  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <p>Other Electrical Service:<br/>Disconnect existing<br/>transmitter for removal and<br/>connect new transmitter<br/>after installation.</p> | <p>Information not provided.</p>  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <p>UHF - Air Cooled Solid<br/>State Transmitter 7.2 kW</p>   | <table> <tr> <td data-bbox="707 1211 1015 1245"><b>Component Description:</b></td><td data-bbox="1147 1211 1366 1283">Gates US0329684<br/>v190919pmv1</td></tr> <tr> <td data-bbox="707 1294 815 1328"><b>Amount:</b></td><td data-bbox="1147 1294 1278 1328">\$78,274.68</td></tr> <tr> <td data-bbox="707 1435 1015 1469"><b>Component Description:</b></td><td data-bbox="1147 1435 1361 1581">Gates inv<br/>#JW30004542-1 1<br/>third dp Aux TX<br/>UL2018119jgv1</td></tr> <tr> <td data-bbox="707 1592 815 1626"><b>Amount:</b></td><td data-bbox="1147 1592 1278 1626">\$80,838.67</td></tr> <tr> <td data-bbox="707 1733 1015 1767"><b>Component Description:</b></td><td data-bbox="1147 1733 1327 1843">Gates<br/>JW30004542-2<br/>v190529jgv1</td></tr> <tr> <td data-bbox="707 1854 815 1888"><b>Amount:</b></td><td data-bbox="1147 1854 1278 1888">\$80,838.67</td></tr> </table> | <b>Component Description:</b> | Gates US0329684<br>v190919pmv1 | <b>Amount:</b> | \$78,274.68 | <b>Component Description:</b> | Gates inv<br>#JW30004542-1 1<br>third dp Aux TX<br>UL2018119jgv1 | <b>Amount:</b> | \$80,838.67 | <b>Component Description:</b> | Gates<br>JW30004542-2<br>v190529jgv1 | <b>Amount:</b> | \$80,838.67 |
| <b>Component Description:</b>  | Gates US0329684<br>v190919pmv1  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$78,274.68   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Component Description:</b>  | Gates inv<br>#JW30004542-1 1<br>third dp Aux TX<br>UL2018119jgv1  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$80,838.67   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Component Description:</b>  | Gates<br>JW30004542-2<br>v190529jgv1  |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |
| <b>Amount:</b>   | \$80,838.67   |                               |                                |                |             |                               |  |                |             |                               |                                      |                |             |

## Cost Information

### Antennas

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

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification  | Actual Cost         | Actual Cost Justification |
|--|-----------------------------|---------------------|---|---------------------|---------------------------|
| <b>Primary Antenna TFU-23ETT /VP-R 4C130</b>   | <b>\$308,530.00</b>         | <b>\$295,606.50</b> |   | <b>\$118,248.84</b> |                           |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)                     | \$12,300.00                 | \$14,206.50         | The \$3,600.00 "Elbow 6-75 DIGIT 90 DEG 9 X 18" line item is being applied to this component, in addition to the \$12,383.00 Elbow Complex line item. | \$7,192.35          | N/A                       |
| UHF - High Power Top Mount (200-1000 kW), One station antenna , elliptically or circularly polarized | \$289,500.00                | \$275,000.00        | N/A   | \$108,176.49        | N/A                       |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00          | N/A   | \$2,880.00          | N/A                       |

|  |                     |                     |  |                     |     |
|--|---------------------|---------------------|--|---------------------|-----|
| <b>Auxiliary<br/>Antenna<br/>TFU-18DSC-<br/>R CT3</b>  | <b>\$289,612.00</b> | <b>\$297,369.18</b> |  | <b>\$211,864.68</b> |     |
| TLSCR  | <b>\$7,172.00</b>   | \$7,172.00          | N/A  | \$6,718.52          | N/A |
| Pattern<br>scatter<br>analysis for<br>side mount<br>high/med<br>power<br>antennas<br>(if not<br>included in<br>antenna<br>base cost) | \$5,260.00          | \$5,000.00          | N/A  | N/A                 | N/A |
| Side mount<br>brackets<br>for high<br>power<br>antennas<br>(if not<br>included in<br>antenna<br>base cost)                           | \$23,150.00         | \$22,000.00         | N/A  | \$18,571.20         | N/A |
| Elbow<br>complex,<br>single<br>channel, at<br>antenna<br>input, per 6<br>1/8.<br>feedline (if<br>needed)                             | \$12,300.00         | \$21,797.18         | The<br>\$2,420.00<br>Trans Test<br>and<br>\$1,964.00<br>Fixed<br>Flange line<br>items are<br>being<br>applied to<br>this<br>component,<br>in addition<br>to the<br>\$12,383.00<br>Elbow<br>Complex<br>line item. | \$21,797.18         | N/A |
| Sweep test<br>of existing<br>antenna   | \$6,730.00          | \$6,400.00          | N/A  | \$6,400.00          | N/A |



|  |                |                |     |                |     |
|--|----------------|----------------|-----|----------------|-----|
| UHF - High Power, Side Mount, basic slot antenna, 973 kW input, directional,, horizontally polarized | \$235,000.00   | \$235,000.00   | N/A | \$158,377.78   | N/A |
| <b>Sub-total</b>   | \$598,142.00   | \$592,975.68   | N/A | \$330,113.52   | N/A |
| <b>Total for all systems</b>   | \$4,100,331.23 | \$4,300,051.97 | N/A | \$3,051,450.68 | N/A |

## Components

| Actual Information   |  |
|--|--|
| Description  | File Name  |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | <b>Component Description:</b>                                      |
|  | Die inv #MAN00799<br>Primary elbow complex pmt 1<br>UL20190313jgv1 |
|  | <b>Amount:</b>   |
|  | \$5,572.35   |
|  | <b>Component Description:</b>                                      |
|  | Die inv #MAN00799<br>Primary elbow pmt 1<br>UL20190313jgv1         |
|  | <b>Amount:</b>   |
|  | \$1,620.00   |

|   |  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
|---|--|--------------------------------------|--|-----------------------|-------------------|--------------------------------------|--|-----------------------|-------------------|--------------------------------------|---|-----------------------|-------------------|--------------------------------------|--|-----------------------|-------------------|--------------------------------------|---|-----------------------|---------------------|
| <p>UHF - High Power Top Mount (200-1000 kW),<br/>One station antenna ,<br/>elliptically or circularly<br/>polarized</p> | <table> <tr> <td data-bbox="692 174 1114 324"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 174 1428 324"> <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 324 1114 392"> <p><b>Amount:</b></p> </td><td data-bbox="1114 324 1428 392"> <p>\$1,195.20</p> </td></tr> <tr> <td data-bbox="692 470 1114 620"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 470 1428 620"> <p>Die inv #MAN00799<br/>Primary trans test<br/>pmt 1<br/>UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 620 1114 687"> <p><b>Amount:</b></p> </td><td data-bbox="1114 620 1428 687"> <p>\$2,469.60</p> </td></tr> <tr> <td data-bbox="692 766 1114 916"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 766 1428 916"> <p>Die inv #MAN00799<br/>Primary reducer<br/>pmt 1<br/>UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 916 1114 983"> <p><b>Amount:</b></p> </td><td data-bbox="1114 916 1428 983"> <p>\$1,160.64</p> </td></tr> <tr> <td data-bbox="692 1061 1114 1211"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 1061 1428 1211"> <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 1211 1114 1279"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1211 1428 1279"> <p>\$1,255.50</p> </td></tr> <tr> <td data-bbox="692 1357 1114 1507"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 1357 1428 1507"> <p>Die inv #MAN00799<br/>Primary ant pmt 1<br/>UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 1507 1114 1574"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1507 1428 1574"> <p>\$102,095.55</p> </td></tr> </table> | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p> | <p><b>Amount:</b></p> | <p>\$1,195.20</p> | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary trans test<br/>pmt 1<br/>UL20190313jgv1</p> | <p><b>Amount:</b></p> | <p>\$2,469.60</p> | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary reducer<br/>pmt 1<br/>UL20190313jgv1</p> | <p><b>Amount:</b></p> | <p>\$1,160.64</p> | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p> | <p><b>Amount:</b></p> | <p>\$1,255.50</p> | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary ant pmt 1<br/>UL20190313jgv1</p> | <p><b>Amount:</b></p> | <p>\$102,095.55</p> |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p>   |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$1,195.20</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary trans test<br/>pmt 1<br/>UL20190313jgv1</p>   |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$2,469.60</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary reducer<br/>pmt 1<br/>UL20190313jgv1</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$1,160.64</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary fixed flange<br/>pmt 1<br/>UL20190313jgv1</p>   |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$1,255.50</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary ant pmt 1<br/>UL20190313jgv1</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$102,095.55</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p>Sweep test of existing<br/>antenna</p>   | <table> <tr> <td data-bbox="692 1653 1114 1803"> <p><b>Component Description:</b></p> </td><td data-bbox="1114 1653 1428 1803"> <p>Die inv #MAN00799<br/>Primary sweep pmt<br/>1 UL20190313jgv1</p> </td></tr> <tr> <td data-bbox="692 1803 1114 1868"> <p><b>Amount:</b></p> </td><td data-bbox="1114 1803 1428 1868"> <p>\$2,880.00</p> </td></tr> </table>  | <p><b>Component Description:</b></p> | <p>Die inv #MAN00799<br/>Primary sweep pmt<br/>1 UL20190313jgv1</p>            | <p><b>Amount:</b></p> | <p>\$2,880.00</p> |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Component Description:</b></p>  | <p>Die inv #MAN00799<br/>Primary sweep pmt<br/>1 UL20190313jgv1</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |
| <p><b>Amount:</b></p>   | <p>\$2,880.00</p>  |                                      |  |                       |                   |                                      |  |                       |                   |                                      |   |                       |                   |                                      |  |                       |                   |                                      |   |                       |                     |

|  |   |
|--|---|
| TLSCR  | <div data-bbox="699 174 1310 286"> <p><b>Component Description:</b> Die ST626013<br/>v191202pmv2</p> <p><b>Amount:</b> \$312.48</p> </div> <div data-bbox="699 394 1310 506"> <p><b>Component Description:</b> Die 627008<br/>v191112 pmv1</p> <p><b>Amount:</b> \$196.40</p> </div> <div data-bbox="699 613 1310 725"> <p><b>Component Description:</b> Die ST627008<br/>v191202pmv2</p> <p><b>Amount:</b> \$117.84</p> </div> <div data-bbox="699 833 1310 945"> <p><b>Component Description:</b> Die 626013<br/>v200106pmv2</p> <p><b>Amount:</b> \$5,208.00</p> </div> <div data-bbox="699 1052 1310 1164"> <p><b>Component Description:</b> Die MAN01318<br/>v190919pmv1</p> <p><b>Amount:</b> \$883.80</p> </div> |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided.   |

|  |   |
|--|---|
| Side mount brackets for high power antennas (if not included in antenna base cost) | <div> <b>Component Description:</b> Die 637019<br/>v191112 pmv1         </div> <div> <b>Amount:</b> \$1,752.00         </div>   |
|  | <div> <b>Component Description:</b> Die MAN01318<br/>v190919pmv1         </div> <div> <b>Amount:</b> \$7,884.00         </div>  |
|  | <div> <b>Component Description:</b> Die ST620004<br/>v191204pmv2         </div> <div> <b>Amount:</b> \$1,051.20         </div>  |
|  | <div> <b>Component Description:</b> Die inv #MAN00798<br/>Aux ant side mt<br/>brackets pmt 1<br/>UL20190314jgv1         </div> <div> <b>Amount:</b> \$7,884.00         </div> |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)   | <div> <b>Component Description:</b> Die MAN01318<br/>v190919pmv1         </div> <div> <b>Amount:</b> \$1,089.00         </div>  |
|  | <div> <b>Component Description:</b> Die ST641014<br/>v191204pmv2         </div> <div> <b>Amount:</b> \$295.60         </div>  |
|  | <div> <b>Component Description:</b> Die ST620004<br/>v191204pmv2         </div> <div> <b>Amount:</b> \$742.98         </div>  |
|  | <div> <b>Component Description:</b> Die ST620004<br/>v191204pmv2         </div> <div> <b>Amount:</b> \$145.20         </div>  |

|                               |                           |
|-------------------------------|---------------------------|
| <b>Component Description:</b> | Die 641014<br>v191108pmv1 |
| <b>Amount:</b>                | \$4,926.60                |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | Die 637019<br>v191112 pmv1 |
| <b>Amount:</b>                | \$1,480.30                 |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Die MAN01318<br>v190919pmv1 |
| <b>Amount:</b>                | \$5,572.35                  |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Die inv #MAN00798<br>Aux ant fixed flange<br>pmt 1<br>UL20190314jgv1 |
| <b>Amount:</b>                | \$883.80   |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Die inv #MAN00798<br>Aux ant elbow<br>complex pmt 1<br>UL20190314jgv1 |
| <b>Amount:</b>                | \$5,572.35  |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Die inv #MAN00798<br>Aux ant trans test<br>pmt 1<br>UL20190314jgv1 |
| <b>Amount:</b>                | \$1,089.00   |

Sweep test of existing antenna

**Component Description:** Die 637019  
v191112 pmv1  
**Amount:** \$640.00

**Component Description:** Die MAN01318  
v190919pmv1  
**Amount:** \$2,880.00

**Component Description:** Die inv #MAN00798  
Aux ant sweep pmt  
1 UL20190314jgv1  
**Amount:** \$2,880.00

UHF - High Power, Side  
Mount, basic slot antenna,  
973 kW input, directional,,  
horizontally polarized

**Component Description:** Die 627008  
v191112 pmv1  
**Amount:** \$1,767.60

**Component Description:** Die 620004  
v191112 pmv1  
**Amount:** \$10,646.00

**Component Description:** Die ST620004  
v191204pmv2  
**Amount:** \$8,964.78

**Component Description:** Die MAN01318  
v190919pmv1  
**Amount:** \$67,235.85

**Component Description:** Die 637019  
v191112 pmv1  
**Amount:** \$2,527.70

**Component Description:** Die inv #MAN00798  
Aux ant pmt 1  
UL20190314jgv1  
**Amount:** \$67,235.85

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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual Cost    | Actual Cost<br>Justification |
|-----------------------------------|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary<br>Transmission<br>Line   | \$22,831.69                    | \$22,831.69       |                                    | \$20,092.04    |                              |
| Miscellaneous<br>Parts            | <i>\$16,431.69</i>             | \$16,431.69       | N/A                                | \$16,431.69    | N/A                          |
| Sweep Tests                       | <i>\$6,400.00</i>              | \$6,400.00        | N/A                                | \$3,660.35     | N/A                          |
| Auxiliary<br>Transmission<br>Line | \$6,400.00                     | \$6,400.00        |                                    | \$0.00         |                              |
| Sweep Tests                       | <i>\$6,400.00</i>              | \$6,400.00        | N/A                                | N/A            | N/A                          |
| Sub-total                         | \$29,231.69                    | \$29,231.69       | N/A                                | \$20,092.04    | N/A                          |
| Total for all<br>systems          | \$4,100,331.23                 | \$4,300,051.97    | N/A                                | \$3,051,450.68 | N/A                          |

Components

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



|                     |   |
|---------------------|---|
| Miscellaneous Parts | <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die ST579006<br/> v191009pmv2<br/> \$550.62 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die 594028<br/> v191018pmv1<br/> \$2,344.00 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Supply House<br/> 5779142<br/> v191115pmv1<br/> \$388.59 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die ST594028<br/> v191024pmv1<br/> \$140.64 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die ST592013<br/> v190923pmv1<br/> \$216.84 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die 592013<br/> v190923pmv1<br/> \$3,614.00 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Die 579006<br/> v190923pmv1<br/> \$9,177.00 </div> </div> |
| Sweep Tests         | <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Inv WDIV161202<br/> WDIV Line sweep<br/> UL20180423 v2<br/> \$3,660.35 </div> </div>   |
| Sweep Tests         | Information not provided.   |

Cost  
Information

Tower Equipment and Rigging Costs

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

| Description  | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual Cost  | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|------------------------------------|--------------|------------------------------|
| Primary<br>Tower<br>TOWER  | \$381,100.00                   | \$562,000.00      |                                    | \$191,895.56 |                              |
| Minor tower<br>reinforcement<br>/modifications                                   | \$158,000.00                   | \$150,000.00      | N/A                                | \$12,996.81  | N/A                          |
| Structural<br>engineering<br>tower load<br>study for well<br>documented<br>tower | \$12,600.00                    | \$12,000.00       | N/A                                | \$6,000.00   | N/A                          |

|                                      |                |                |   |                |     |
|--------------------------------------|----------------|----------------|---|----------------|-----|
| Tall Tower<br>(greater than<br>500') | \$210,500.00   | \$400,000.00   | Rigging<br>must be<br>done twice<br>since<br>WDIV has<br>a licensed<br>AUX<br>facility.<br>First<br>rigging for<br>post-<br>auction<br>AUX build-<br>out while<br>main<br>operates<br>as interim.<br>Second<br>rigging for<br>post-<br>auction<br>Main build-<br>out while<br>AUX<br>operates<br>on post-<br>auction<br>after<br>assigned<br>phase. | \$172,898.75   | N/A |
| <b>Sub-total</b>                     | \$381,100.00   | \$562,000.00   | N/A   | \$191,895.56   | N/A |
| <b>Total for all<br/>systems</b>     | \$4,100,331.23 | \$4,300,051.97 | N/A   | \$3,051,450.68 | N/A |

## Components

| Actual Information                          |  |
|---|--|
| Description                                 | File Name  |
| Minor tower reinforcement<br>/modifications | <p><b>Component Description:</b> Monarch 64093<br/>v200415pmv1</p> <p><b>Amount:</b> \$12,996.81</p> |

|   |                               |  |
|---|-------------------------------|--|
| Structural engineering tower load study for well documented tower | <b>Component Description:</b> | Inv: WDIV<br>Structural Analysis<br>UL20180329 2 of 2                |
|   | <b>Amount:</b>                | \$1,000.00   |
|   | <b>Component Description:</b> | Inv: WDIV<br>Structural Analysis<br>UL20180329 1 of 2                |
|   | <b>Amount:</b>                | \$5,000.00   |
| Tall Tower (greater than 500')                                    | <b>Component Description:</b> | CTC 2319<br>v191108pmv1  |
|   | <b>Amount:</b>                | \$4,837.50   |
|   | <b>Component Description:</b> | CTC 2318<br>v191108pmv1  |
|   | <b>Amount:</b>                | \$33,851.25  |
|   | <b>Component Description:</b> | CTC inv #2093 Aux<br>and Prim ant install<br>pmt 1<br>UL20190308jgv1 |
|   | <b>Amount:</b>                | \$134,210.00   |

## Cost Information

### Outside Professional Services

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

| Description                                   | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification  | Actual Cost        | Actual Cost Justification |
|---|-----------------------------|---------------------|---|--------------------|---------------------------|
| <b>Outside Professional Services</b>          | <b>\$370,815.00</b>         | <b>\$386,250.00</b> |   | <b>\$73,105.10</b> |                           |
| Other Engineering Services                    | <i>\$60,000.00</i>          | \$60,000.00         | Fewer Project Management "PM" tasks are required & Other Engineering Services "OES" are required, therefore the PM total has been reduced to 600 hrs (\$90,000 at \$150/hr), & a new OES category has been created & funded with the money removed from PM. | \$23,070.00        | N/A                       |
| Other Legal Services                          | <i>\$10,000.00</i>          | \$10,000.00         | Need  | \$2,037.60         | N/A                       |
| Additional Field Engineering Service, 30 Days | <i>\$60,000.00</i>          | \$60,000.00         | N/A   | \$6,800.00         | N/A                       |
| RF Exposure Measurements                      | \$21,050.00                 | \$20,000.00         | N/A   | N/A                | N/A                       |

|  |             |             |     |     |     |
|--|-------------|-------------|-----|-----|-----|
| Comprehensive coverage verification via field study, if needed   | \$84,200.00 | \$80,000.00 | N/A | N/A | N/A |
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | \$2,105.00  | \$2,000.00  | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854)  | \$2,105.00  | \$2,000.00  | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application  | \$2,365.00  | \$2,250.00  | N/A | N/A | N/A |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application                         | \$4,210.00  | \$4,000.00  | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | \$5,260.00  | \$5,000.00  | N/A | N/A | N/A |

|   |            |            |     |            |     |
|---|------------|------------|-----|------------|-----|
| RF Consulting Engineer Fees-<br>Aux Antenna:<br>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-<br>Aux Antenna:<br>Prepare engineering section of FCC Form 2100, Construction Permit Application | \$2,105.00 | \$2,000.00 | N/A | N/A        | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application  | \$3,155.00 | \$3,000.00 | N/A | \$3,000.00 | N/A |
| Perform engineering study for new channel assignment and antenna development  | \$7,360.00 | \$7,000.00 | N/A | \$7,000.00 | N/A |

|  |                     |                     |   |                    |            |
|--|---------------------|---------------------|---|--------------------|------------|
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00          | \$2,500.00          | N/A   | N/A                | N/A        |
| Prepare and or review reimbursement form   | \$2,630.00          | \$30,000.00         | The Estimated Cost reflects the station's ongoing need for outside assistance with preparation and submission of its Actual Cost Repack invoices.   | \$23,692.50        | N/A        |
| Project management of the transition   | \$94,800.00         | \$90,000.00         | The added complexity of dual mobilization for tower rigging as well as the complexity of this project. \$60,000 has been moved from PM to the Other Engineering Services component (181116jg) | \$7,505.00         | N/A        |
| Attorney Fees - Prepare and File request for Special Temporary Authorization     | \$3,680.00          | \$3,500.00          | N/A   | N/A                | N/A        |
| <b>Sub-total</b>   | <b>\$370,815.00</b> | <b>\$386,250.00</b> | <b>N/A</b>  | <b>\$73,105.10</b> | <b>N/A</b> |



|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$4,100,331.23 | \$4,300,051.97 | N/A | \$3,051,450.68 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information         |   |
|----------------------------|---|
| Description                | File Name   |
| Other Engineering Services |   |
|                            | <b>Component Description:</b> KGA 947-191<br>v190614pmv1<br><b>Amount:</b> \$670.00   |
|                            | <b>Component Description:</b> KGA 947-189<br>v190614pmv1c<br><b>Amount:</b> \$590.00  |
|                            | <b>Component Description:</b> KGA 947-192<br>v190614pmv1<br><b>Amount:</b> \$1,652.50   |
|                            | <b>Component Description:</b> KGA 947-235<br>v200207jgv1<br><b>Amount:</b> \$625.00   |
|                            | <b>Component Description:</b> KGA 947-190<br>v190614pmv1<br><b>Amount:</b> \$1,267.50   |
|                            | <b>Component Description:</b> KGA 947-155<br>v190515pmv1<br><b>Amount:</b> \$675.00   |
|                            | <b>Component Description:</b> KGA inv #947-114<br>Other Eng Srvcs<br>July - Oct 2018<br>UL20190206jgv2<br><b>Amount:</b> \$6,950.00 |

|                      |                               |   |
|----------------------|-------------------------------|---|
|                      | <b>Component Description:</b> | KGA inv #947-62<br>Other Eng Srvcs<br>Aug - Dec 2017<br>UL2018116jgv1                           |
|                      | <b>Amount:</b>                | \$7,665.00  |
|                      | <b>Component Description:</b> | KGA inv #947-62<br>Other Eng Srvcs<br>Aug - Dec 2017<br>UL20190226jgv2                          |
|                      | <b>Amount:</b>                | \$7,665.00  |
|                      | <b>Component Description:</b> | KGA 947-154<br>v190515pmv1  |
|                      | <b>Amount:</b>                | \$225.00  |
|                      | <b>Component Description:</b> | KGA 947-152<br>v190515pmv1  |
|                      | <b>Amount:</b>                | \$675.00  |
|                      | <b>Component Description:</b> | KGA 947-153<br>v190515pmv1  |
|                      | <b>Amount:</b>                | \$2,075.00  |
| <hr/>                |                               |   |
| Other Legal Services | <b>Component Description:</b> | WDIV Covington inv<br>#60812717 Review<br>and file 2018 Q2<br>Progress Report<br>UL20181019jgv1 |
|                      | <b>Amount:</b>                | \$34.20   |
|                      | <b>Component Description:</b> | WDIV Covington inv<br>#60790165 Review<br>and file Progress<br>Report<br>UL20181019jgv1         |
|                      | <b>Amount:</b>                | \$62.10   |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | C&B 60774447<br>v190918pmv1 |
| <b>Amount:</b>                | \$576.00                    |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | C&B 60855206<br>v190918pmv1 |
| <b>Amount:</b>                | \$177.75                    |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Covington inv<br>#60836455 Legal<br>services thru<br>190131<br>UL20190308jgv1 |
| <b>Amount:</b>                | \$328.05  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Covington inv<br>#60773112 Various<br>legal<br>UL20190321jgv1 |
| <b>Amount:</b>                | \$456.75  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Covington inv<br>#60827773 Legal<br>services thru<br>181130<br>UL20190308jgv1 |
| <b>Amount:</b>                | \$102.60  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Covington inv<br>#60776173 Various<br>legal<br>UL20190321jgv1 |
| <b>Amount:</b>                | \$229.05  |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | C&B 60847121<br>v190610pmv1 |
| <b>Amount:</b>                | \$71.10                     |

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|   |  |                               |  |                |            |                               |  |                |            |                               |  |                |            |
|---|--|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| <p>Additional Field<br/>Engineering Service, 30<br/>Days</p>                  | <table> <tr> <td data-bbox="699 174 1007 208"><b>Component Description:</b></td><td data-bbox="1141 174 1378 846"> <p>Inv: WDIV Outside<br/>Prof Svcs 1) CAS<br/>planning<br/>procuremnt &amp;<br/>oversight, coord twr<br/>mapping &amp; analyses<br/>2) CAS planning<br/>procuremnt,<br/>oversight &amp; develop<br/>an upgrade or<br/>replacement<br/>solution for twr 3)<br/>CAS planning<br/>procuremnt,<br/>oversight &amp; coord<br/>twr mods<br/>UL20180403</p> </td></tr> <tr> <td data-bbox="699 857 807 891"><b>Amount:</b></td><td data-bbox="1141 857 1259 891">\$2,750.00</td></tr> <tr> <td data-bbox="699 992 1007 1025"><b>Component Description:</b></td><td data-bbox="1141 992 1372 1339"> <p>Inv: WDIV Antenna<br/>Repurposing Study,<br/>Transmission Line<br/>Repurposing Study,<br/>Transmitter<br/>Repurposing Study<br/>&amp; Parameter<br/>Review<br/>UL20180403</p> </td></tr> <tr> <td data-bbox="699 1350 807 1384"><b>Amount:</b></td><td data-bbox="1141 1350 1259 1384">\$2,800.00</td></tr> <tr> <td data-bbox="699 1485 1007 1518"><b>Component Description:</b></td><td data-bbox="1141 1485 1362 1675"> <p>Inv: WDIV Addl Fld<br/>Eng Srv TX Mask<br/>Fltr Elec HVAC<br/>Solution<br/>UL20180403</p> </td></tr> <tr> <td data-bbox="699 1686 807 1720"><b>Amount:</b></td><td data-bbox="1141 1686 1259 1720">\$1,250.00</td></tr> </table> | <b>Component Description:</b> | <p>Inv: WDIV Outside<br/>Prof Svcs 1) CAS<br/>planning<br/>procuremnt &amp;<br/>oversight, coord twr<br/>mapping &amp; analyses<br/>2) CAS planning<br/>procuremnt,<br/>oversight &amp; develop<br/>an upgrade or<br/>replacement<br/>solution for twr 3)<br/>CAS planning<br/>procuremnt,<br/>oversight &amp; coord<br/>twr mods<br/>UL20180403</p> | <b>Amount:</b> | \$2,750.00 | <b>Component Description:</b> | <p>Inv: WDIV Antenna<br/>Repurposing Study,<br/>Transmission Line<br/>Repurposing Study,<br/>Transmitter<br/>Repurposing Study<br/>&amp; Parameter<br/>Review<br/>UL20180403</p> | <b>Amount:</b> | \$2,800.00 | <b>Component Description:</b> | <p>Inv: WDIV Addl Fld<br/>Eng Srv TX Mask<br/>Fltr Elec HVAC<br/>Solution<br/>UL20180403</p> | <b>Amount:</b> | \$1,250.00 |
| <b>Component Description:</b>   | <p>Inv: WDIV Outside<br/>Prof Svcs 1) CAS<br/>planning<br/>procuremnt &amp;<br/>oversight, coord twr<br/>mapping &amp; analyses<br/>2) CAS planning<br/>procuremnt,<br/>oversight &amp; develop<br/>an upgrade or<br/>replacement<br/>solution for twr 3)<br/>CAS planning<br/>procuremnt,<br/>oversight &amp; coord<br/>twr mods<br/>UL20180403</p>   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>  | \$2,750.00   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <b>Component Description:</b>   | <p>Inv: WDIV Antenna<br/>Repurposing Study,<br/>Transmission Line<br/>Repurposing Study,<br/>Transmitter<br/>Repurposing Study<br/>&amp; Parameter<br/>Review<br/>UL20180403</p>   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>  | \$2,800.00   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <b>Component Description:</b>   | <p>Inv: WDIV Addl Fld<br/>Eng Srv TX Mask<br/>Fltr Elec HVAC<br/>Solution<br/>UL20180403</p>   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <b>Amount:</b>  | \$1,250.00   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <p>RF Exposure<br/>Measurements</p>   | <p>Information not provided.</p>   |                               |  |                |            |                               |  |                |            |                               |  |                |            |
| <p>Comprehensive coverage<br/>verification via field study,<br/>if needed</p> | <p>Information not provided.</p>   |                               |  |                |            |                               |  |                |            |                               |  |                |            |

|  |                           |
|--|---------------------------|
| FAA consultant, including cost of preparing FAA Form 7460 (Notice of Proposed Construction), if needed for height increase | Information not provided. |
| ASR modification (prepare FCC Form 854)  | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application   | Information not provided. |
| Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application                         | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application                                     | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, License to Cover Application       | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application  | Information not provided. |
| RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application    | Information not provided. |

|  |   |
|--|---|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <div> <b>Component Description:</b> <p>Inv: WDIV Outside Prof Svcs - Prepare eng section of Form FCC Const Permit App for Main Facility UL20180403</p> </div> <div> <b>Amount:</b> <p>\$3,000.00</p> </div>   |
| Perform engineering study for new channel assignment and antenna development         | <div> <b>Component Description:</b> <p>Inv: WDIV Outside Prof Svcs - Perform eng study for new ch assignment and antenna development</p> </div> <div> <b>Amount:</b> <p>UL20180403<br/>\$7,000.00</p> </div>  |
| Address transition timing and coordination issues w/ other stations and wireless     | Information not provided.   |
| Prepare and or review reimbursement form   | <div> <b>Component Description:</b> <p>KGA 947-202 v190916jgv1</p> </div> <div> <b>Amount:</b> <p>\$1,550.00</p> </div> <div> <b>Component Description:</b> <p>KGA 947-244 v200207jgv1</p> </div> <div> <b>Amount:</b> <p>\$2,095.00</p> </div> <div> <b>Component Description:</b> <p>KGA 947-206 v190916jgv1</p> </div> <div> <b>Amount:</b> <p>\$250.00</p> </div> <div> <b>Component Description:</b> <p>KGA 947-175 v190704jgv1</p> </div> <div> <b>Amount:</b> <p>\$3,045.00</p> </div> |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-231<br>v200207jgv1 |
| <b>Amount:</b>                | \$1,205.00                 |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-237<br>v200207jgv1 |
| <b>Amount:</b>                | \$5,670.00                 |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-130<br>v190515pmv1 |
| <b>Amount:</b>                | \$50.00                    |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-171<br>v190704jgv1 |
| <b>Amount:</b>                | \$95.00                    |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-132<br>v190515pmv1 |
| <b>Amount:</b>                | \$1,225.00                 |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-133<br>v190515pmv1 |
| <b>Amount:</b>                | \$500.00                   |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-217<br>v191106jgv1 |
| <b>Amount:</b>                | \$2,020.00                 |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-164<br>v190515pmv1 |
| <b>Amount:</b>                | \$2,122.50                 |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-131<br>v190515pmv1 |
| <b>Amount:</b>                | \$150.00                   |

|   |                               |   |
|---|-------------------------------|---|
|   | <b>Component Description:</b> | Inv: WDIV Outside<br>Prof Svcs - Prepare<br>and or Review<br>Reimbursement<br>Form UL20180403 |
|   | <b>Amount:</b>                | \$2,500.00  |
|   | <b>Component Description:</b> | KGA 947-159<br>v190515pmv1  |
|   | <b>Amount:</b>                | \$350.00  |
|   | <b>Component Description:</b> | KGA 947-139<br>v190515pmv1  |
|   | <b>Amount:</b>                | \$200.00  |
|   | <b>Component Description:</b> | KGA 947-196<br>v190916jgv1  |
|   | <b>Amount:</b>                | \$665.00  |
| Project management of<br>the transition | <b>Component Description:</b> | KGA 947-200<br>v190916jgv1  |
|   | <b>Amount:</b>                | \$300.00  |
|   | <b>Component Description:</b> | KGA 947-236<br>v200207jgv1  |
|   | <b>Amount:</b>                | \$285.00  |
|   | <b>Component Description:</b> | KGA inv #947-110<br>Form 387 2018 Q3<br>UL2018116jgv1   |
|   | <b>Amount:</b>                | \$300.00  |
|   | <b>Component Description:</b> | KGA 947-118<br>v190515jgv1  |
|   | <b>Amount:</b>                | \$300.00  |



|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Component Description:</b> | Inv: WDIV 2017Q4<br>387 UL20180403 |
| <b>Amount:</b>                | \$300.00                           |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-214<br>v191106jgv1 |
| <b>Amount:</b>                | \$300.00                   |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | KGA inv #947-58<br>Actual Cost invs<br>180403<br>UL2018116jgv1 |
| <b>Amount:</b>                | \$720.00   |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | KGA inv #947-59<br>Actual Cost invs<br>180329<br>UL2018116jgv1 |
| <b>Amount:</b>                | \$300.00   |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | Inv 947-21 WDIV<br>Project<br>Management<br>through Aug 2017<br>UL20180504jgv3 |
| <b>Amount:</b>                | \$3,500.00   |

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Component Description:</b> | Inv: WDIV 2017Q3<br>387 UL20180403 |
| <b>Amount:</b>                | \$300.00                           |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Component Description:</b> | KGA 947-162<br>v190515jgv1 |
| <b>Amount:</b>                | \$300.00                   |

|   |   |
|---|---|
|   | <div> <div> <b>Component Description:</b> </div> <div> KGA inv #947-82<br/> Form 387 2018 Q2<br/> UL2018116jgv1 </div> </div> <div> <b>Amount:</b> </div> <div> \$300.00 </div> |
|   | <div> <div> <b>Component Description:</b> </div> <div> KGA inv #947-56<br/> Form 387 2018 Q1<br/> UL2018116jgv1 </div> </div> <div> <b>Amount:</b> </div> <div> \$300.00 </div> |
| Attorney Fees - Prepare<br>and File request for<br>Special Temporary<br>Authorization | 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 |
|--|-----------------------------|----------------|------------------------------|----------------|---------------------------|
| Other Expenses   | \$138,550.00                | \$138,000.00   |                              | \$25,413.86    |                           |
| Equipment Delivery and Handling Charges                                  | <i>\$25,000.00</i>          | \$25,000.00    | N/A                          | \$20,038.86    | N/A                       |
| MVPD Notification of Channel Change                                      | <i>\$2,000.00</i>           | \$2,000.00     | N/A                          | \$1,625.00     | N/A                       |
| Develop and air announcement of upcoming channel change                  | <i>\$25,000.00</i>          | \$25,000.00    | N/A                          | N/A            | N/A                       |
| Equipment Storage  | <i>\$25,000.00</i>          | \$25,000.00    | N/A                          | N/A            | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$25,000.00</i>          | \$25,000.00    | N/A                          | N/A            | N/A                       |
| Non-zoning permits   | <i>\$25,000.00</i>          | \$25,000.00    | N/A                          | N/A            | N/A                       |
| DTV Medical Facility Notification  | \$11,550.00                 | \$11,000.00    | N/A                          | \$3,750.00     | N/A                       |
| Sub-total  | \$138,550.00                | \$138,000.00   | N/A                          | \$25,413.86    | N/A                       |
| Total for all systems  | \$4,100,331.23              | \$4,300,051.97 | N/A                          | \$3,051,450.68 | N/A                       |

## Components

| Actual Information                      | File Name   |
|---|---|
| Description                             |   |
| Equipment Delivery and Handling Charges | <b>Component Description:</b> Fraza R81516<br>v191204pmv1<br><b>Amount:</b> \$1,001.70        |
|   | <b>Component Description:</b> Die 597044<br>v191018pmv2<br><b>Amount:</b> \$469.70            |
|   | <b>Component Description:</b> Die 628013<br>v191121 pmv2<br><b>Amount:</b> \$694.04           |
|   | <b>Component Description:</b> Die ST644035<br>v191202pmv2<br><b>Amount:</b> \$9.23            |
|   | <b>Component Description:</b> Grainger<br>9337281639<br>v200415pmv1<br><b>Amount:</b> \$10.98 |
|   | <b>Component Description:</b> Fraza R81840<br>v191204pmv1<br><b>Amount:</b> \$1,001.70        |
|   | <b>Component Description:</b> Die ST580017<br>v191204pmv3<br><b>Amount:</b> \$57.90           |
|   | <b>Component Description:</b> Grainger<br>9319335908<br>v200415pmv1<br><b>Amount:</b> \$2.03  |

|                               |                           |
|-------------------------------|---------------------------|
| <b>Component Description:</b> | Die 626013<br>v200106pmv2 |
| <b>Amount:</b>                | \$6,582.52                |

|                               |                           |
|-------------------------------|---------------------------|
| <b>Component Description:</b> | Die 638001<br>v200106pmv1 |
| <b>Amount:</b>                | \$4,698.14                |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Die ST628013<br>v191202pmv2 |
| <b>Amount:</b>                | \$41.64                     |

|                               |                           |
|-------------------------------|---------------------------|
| <b>Component Description:</b> | Die 644035<br>v191108pmv1 |
| <b>Amount:</b>                | \$153.86                  |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Die ST626013<br>v191202pmv2 |
| <b>Amount:</b>                | \$394.95                    |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Fraza R81949<br>v191209pmv1 |
| <b>Amount:</b>                | \$863.69                    |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Fraza R82488<br>v191204pmv1 |
| <b>Amount:</b>                | \$1,001.70                  |

|                               |                             |
|-------------------------------|-----------------------------|
| <b>Component Description:</b> | Fraza R82776<br>v200414pmv1 |
| <b>Amount:</b>                | \$333.90                    |

|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>Component Description:</b> | Grainger<br>9339342173<br>v200415pmv1 |
| <b>Amount:</b>                | \$10.98                               |

|   |   |
|---|---|
|   | <b>Component Description:</b> Grainger<br>9333360080<br>v200415pmv1<br><b>Amount:</b> \$59.10 |
|   | <b>Component Description:</b> Grainger<br>9323910258<br>v200415pmv1<br><b>Amount:</b> \$13.30 |
|   | <b>Component Description:</b> Grainger<br>9319600616<br>v200415pmv1<br><b>Amount:</b> \$20.40 |
|   | <b>Component Description:</b> FRAZA L28672<br>v190924pmv1<br><b>Amount:</b> \$1,370.58        |
|   | <b>Component Description:</b> Die 580017<br>v191018pmv2<br><b>Amount:</b> \$964.93            |
|   | <b>Component Description:</b> Die ST638001<br>v191204pmv2<br><b>Amount:</b> \$281.89          |
| MVPD Notification of Channel Change                     | <b>Component Description:</b> KGA 947-238<br>v200207jgv1<br><b>Amount:</b> \$1,625.00         |
| Develop and air announcement of upcoming channel change | Information not provided.   |
| Equipment Storage                                       | Information not provided.   |

|  |  |
|--|--|
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided.  |
| Non-zoning permits   | Information not provided.  |
| DTV Medical Facility Notification  | <div> <div> <b>Component Description:</b><br/><br/> <b>Amount:</b> </div> <div> RF Notif 1392<br/> v200110pmv1<br/> \$3,750.00 </div> </div> |

**Cost  
Information**

**Grand Total**

|                       | Predetermined<br>Cost Estimate | Estimated Cost | Actual Cost    |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$4,100,331.23                 | \$4,300,051.97 | \$3,051,450.68 |

**Reimbursement Status**

| Question   | Response |
|--|----------|
| The facility has ceased operating on its pre-auction channel.  | Yes      |
| Construction of final facilities or all necessary modifications are complete.  | No       |
| All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399 from further editing and begin close-out procedures with the Fund Administrator. | No       |



| Certification | Section                                     | Question  | Response |
|---------------|---|---|----------|
|               | Submission of Estimated Expenses Statements | <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>Jeffrey C Gehman</b><br/> <i>Engineering Associate</i></p> <p>04/15/2020</p> |

| Certification | Section  | Question   | Response |
|---------------|--|--|----------|
|               | Submission of Actual Cost Documentation Statements | <p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>   |          |
|               |  | <ol style="list-style-type: none"> <li>1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.</li> <li>3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> </ol> |          |

4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

|  |  |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |  |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Jeffrey C Gehman</b><br/> <i>Engineering Associate</i></p> <p>04/15/2020</p> |

## Attachments