



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **51101** | Service: **DTV** | Call **KOZJ** | Channel: **35 (UHF)** |  
ID: | Sign:  
File **0000027873**  
Number:  
FRN: **0002487056** | Date **12/20**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address  | Phone                | Email                        | Applicant Type    |
|--|--|----------------------|------------------------------|-------------------|
| <b>BOARD OF GOVERNORS OF MISSOURI STATE UNIVERSITY</b><br>Doing Business As:<br><b>BOARD OF GOVERNORS OF MISSOURI STATE UNIVERSITY</b> | Tammy Wiley<br>901 S. NATIONAL AVE.<br>SPRINGFIELD,<br>MO 65897<br>United States | +1<br>(417) 836-5878 | TAMMYWILEY@MISSOURISTATE.EDU | Government Entity |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|-----------|---------|-------|-------|
|-----------|---------|-------|-------|

|   |                                    |                   |                         |
|---|------------------------------------|-------------------|-------------------------|
| <b>Matthew Anderson Sanderford , Jr. .</b>                            | Matthew Sanderford                 | +1 (817) 783-5566 | engineering@marsand.com |
| <i>President</i>  | 211 Pack                           |                   |                         |
| <i>Marsand, Inc. 211 Pack Saddle Trail Weatherford, TX 76088-8646</i> | Saddle Trail Weatherford, TX 76088 |                   |                         |
|   | United States                      |                   |                         |

### Broadcaster Information and Transition Plan

| Question   | Response                              |
|--|---------------------------------------|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | Yes                                   |
| Briefly describe transition plan   | See attached station transition plan. |

### Transmitters

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section   | Question   | Response          |
|---|--|-------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New   |
|   | Use  | Primary<br>(Main) |
|   | Description of Use   | N/A               |
|   | Ownership  | Owned             |
|   | Owner  | N/A               |
|   | Site   | N/A               |
|   | Is this transmitter currently shared with another station? | No                |
|   | Is this transmitter currently in operating condition?      | Yes               |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                   |
|   | Model  | DHD20P1           |
|   | Year   | 2003              |
|   | Type   | Solid State       |
|   | Solid State Cooling  | Air Cooled        |
|   | Solid State Power Capacity                                 | 5.5 kW            |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response  |
|-----------------|---|---|
| New Transmitter | Use                                       | Primary (Main)  |
|                 | Change Type                               | Purchase New  |
|                 | Is this a request for upgraded equipment? | No  |
|                 | Manufacturer                              |   |
|                 | Model                                     | THU9-8EVO   |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid Cooled   |
|                 | Solid State Power capacity                | 13 kW   |
|                 | Justification for New Transmitter         | Existing transmitter manufacturer will not support retuning to new channel and current transmitter does not have sufficient output power. |

**Primary  
Transmitter**

**Other Transmitter Costs**

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

|  |   |     |
|--|---|-----|
|  | Size  | N/A |
|  | Length  | N/A |
|  | Other Electrical Service  | 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? | No  |
|  | Size  | N/A |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A |
|  | Is a channel 14 Mask Filer needed?  | N/A |
|  | Is additional field engineering time needed?  | N/A |
|  | Number of Days  | N/A |

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

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Site   | N/A                |
|   | Is the existing antenna shared with another station or stations? | No                 |
|   | Is the existing antenna directional?                             | No                 |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | No                 |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | 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)<br>.....                         | 55.0 kW            |
|   |  |                    |

|              |        |
|--------------|--------|
| Manufacturer |        |
| Model        | B16UOM |
| Year         | 1984   |

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Primary  
Antenna

New Antenna Costs

| Section                            | Question   | Response       |
|------------------------------------|--|----------------|
| New Antenna Description            | Use  | Primary (Main) |
|                                    | Description of Use   | N/A            |
|                                    | Change Type  | Purchase New   |
|                                    | Is this a request for upgraded equipment?                            | No             |
|                                    | Ownership  | Owned          |
|                                    | Owner  | N/A            |
|                                    | Is antenna shared?   | No             |
|                                    | Is antenna directional?  | No             |
|                                    | Will antenna be located on or in close proximity to an antenna farm? | No             |
|                                    |  |                |
| New Antenna Manufacturer and Types | Class  | Full Power     |
|                                    | Mounting   | Side Mount     |
|                                    | Antenna position in stack  | Not in Stack   |
|                                    | Polarization   | Horizontal     |
|                                    | Type   | Broadband Slot |
|                                    | Number of Stations Supported   | 2              |
|                                    | Number of Panels/Bays  | 16             |
|                                    | Lower Limit  | 500.00 MHz     |
|                                    | Upper Limit  | 626.00 MHz     |
|                                    | Design power capacity in use   | 59.0 %         |
|                                    | Other Antenna Type   | N/A            |
|                                    | ERP: (Effective Radiated Power)<br>.....                             | 68.0 kW        |
|                                    | Manufacturer   |                |
|                                    |  |                |

|                               |  |
|-------------------------------|--|
| Model                         | RD-16RFS<br>(OM)<br>-500626-SL   |
| Year                          | 2017   |
| Justification for New Antenna | Existing<br>CH25<br>antenna will<br>not support<br>CH35.<br>Broadband<br>replacement<br>allows reuse<br>of existing<br>aperture<br>and main<br>transmission<br>line run with<br>no structural<br>modification. |

**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?  | Broadband                 |
|                                    | Feed Line Size  | 3 1/8<br>inches<br>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? | Yes |
| <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? | No       |

**Tower Equipment And Rigging Costs**

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

**Primary Tower****Add Tower**

| Section   | Question  | Response          |
|---|---|-------------------|
| Existing Tower Description                          | Type of change  | Modify Existing   |
|   | Tower Use   | Primary (Main)    |
|   | Description of Use                                      | N/A               |
|   | Ownership   | Leased            |
|   | Is this tower consider Complex?                         | No                |
|   | Is this tower currently shared with any other stations? | Yes               |
|   | One or more FM, AM or TV radio broadcaster(s)           | Yes               |
|   | Others Types of Users                                   | No                |
|   | Is tower documented for structural analysis?            | No                |
|   | Is tower compliant with Rev G?                          | No                |
| Existing Tower Structure Registration               | Do you have a tower registration number?                | Yes               |
|   | ASR Number  | 1012933           |
| Coordinates (NAD83 ( North American Datum of 1983)) | Latitude (NAD83)  | 37° 04' 34.9" N-  |
|   | Longitude (NAD83)                                       | 094° 32' 16.4" W- |
|   | Overall Structure Height                                | 981.94 feet       |
|   | Support Structure Height                                | 980.96 feet       |

|  |  |
|--|--|
| Ground Elevation Above Mean Sea Level (AMSL) | 1042.97 feet   |
| Structure Type                               | GTOWER -<br>Guyed Structure<br>Used for<br>Communication<br>Purposes       |
| Tower Owner                                  | SpectraSite<br>Communications,<br>LLC. through<br>American<br>Towers, LLC. |
| Date Constructed                             | 01/01/1965   |

**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 |
|-------------|-----------|---------|
| 18283       | KODE-TV   | DTV     |

## Primary Tower

### Tower Modification Costs

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

## Primary Tower

### Tower Rigging Costs

| Section | Question | Response |
|---------|----------|----------|
|---------|----------|----------|

|                                     |                                   |     |
|-------------------------------------|-----------------------------------|-----|
| <b>Tower Rigging Costs</b>          | Complex Tower                     | N/A |
| <b>Helicopter Services Required</b> | Are helicopter services required? | No  |

**Primary  
Tower**

**Other Tower Expenses Not Listed**

| <b>Name</b>  | <b>Description</b>  |
|--|---|
| <b>Ground and Building AE Permit Drawing Package</b> | Tower owner required generation of a construction drawing package |
| <b>Structural Engineering Tower Load Study</b>       | Tower owner required Rigorous Structural analysis                 |
| <b>Tower Permit Drawing Package</b>                  | Tower owner required generation of a construction drawing package |
| <b>Antenna Change Out</b>                            | Cost for removing old antenna and install new antenna             |

**Outside  
Professional**

| Section   | Question   | Response   |
|---|--|--|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes  |
|   | Number of Hours  | 100  |
|   | Explanation  | The station has multiple transmitter sites (2 TV) and operates with minimal staff. It does not have personnel available for any of these tasks, nor is the staff trained to provide any of these services. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | Perform engineering study for new channel assignment and antenna development | Yes  |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare request for Special Temporary Authority                              | 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   | No  |
|   | For Main Facility  | Yes |
|   | Prepare and file Form FCC License to Cover Application                                     | Yes |
|   | For Auxiliary Facility   | No  |
|   | For Main Facility  | Yes |
|   | Prepare request for Special Temporary Authority  | No  |
|   | Quantity   | N/A |
|   | NEPA Section 106 environmental review  | No  |
|   | Environmental Assessment   | No  |
|   | ASR Modification   | No  |
|   | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|   | Negotiation of Lease and other Matter for Shared Locations                                 | Yes |
|   | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|   | Address transition timing and coordination issues w/ other stations and wireless providers | No  |
| <b>RF Field Engineering Services</b>                  | Comprehensive coverage verification via field study  | No  |
|   | RF exposure measurements   | No  |
|   | Additional Field Engineering Service   | No  |
|   | Number of Days   | N/A |



|  |               |     |
|--|---------------|-----|
|  | Justification | N/A |
|--|---------------|-----|

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name                          | Description  |
|-------------------------------|--|
| Site Survey                   | Site visit for specifying the final equipment needs and installation planning. |
| Tower Owner Project Managment | Tower owner required project management.                                       |

## 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   | No       |
|                                     | 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? | No       |
|                                     | Does this relocation require Equipment Storage?  | No       |
|                                     | 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><br>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<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification  | Actual<br>Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|---|----------------|------------------------------|
| Primary<br>Transmitter<br>THU9-8EVO                                    | \$494,500.00                   | \$470,000.00      |   | \$0.00         |                              |
| UHF -<br>Liquid<br>Cooled<br>Solid State<br>Transmitter<br>8.2 - 13 kW | \$494,500.00                   | \$470,000.00      | Final quote<br>not<br>received.<br>Maximum<br>estimate<br>used in its<br>place. | N/A            | N/A                          |
| Sub-total  | \$494,500.00                   | \$470,000.00      | N/A   | \$0.00         | N/A                          |
| Total for all<br>systems   | \$2,041,645.00                 | \$1,025,928.00    | N/A   | \$14,799.22    | N/A                          |

Components

Information not provided.

Cost  
Information

Antennas

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

| Description   | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual<br>Cost | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|------------------------------------|----------------|------------------------------|
| Primary<br>Antenna RD-<br>16RFS(OM)<br>-500626-SL   | \$71,330.00                    | \$67,400.00       |                                    | \$0.00         |                              |
| Pattern<br>scatter<br>analysis for<br>side mount<br>high/med<br>power<br>antennas (if<br>not included<br>in antenna<br>base cost) | \$5,260.00                     | \$5,000.00        | N/A                                | N/A            | N/A                          |
| UHF - High<br>Power, Side<br>Mount,<br>basic slot<br>antenna, 16<br>bay,, 68 kW<br>input,<br>horizontally<br>polarized            | <i>\$50,000.00</i>             | \$50,000.00       | N/A                                | N/A            | N/A                          |
| Sweep test<br>of existing<br>antenna  | \$6,730.00                     | \$6,400.00        | N/A                                | N/A            | N/A                          |
| Elbow<br>complex,<br>broadband,<br>at antenna<br>input, per 3<br>1/8.<br>feedline (if<br>needed)                                  | \$9,340.00                     | \$6,000.00        | N/A                                | N/A            | N/A                          |
| Sub-total   | \$71,330.00                    | \$67,400.00       | N/A                                | \$0.00         | N/A                          |

|                              |                |                |     |             |     |
|------------------------------|----------------|----------------|-----|-------------|-----|
| <b>Total for all systems</b> | \$2,041,645.00 | \$1,025,928.00 | N/A | \$14,799.22 | N/A |
|------------------------------|----------------|----------------|-----|-------------|-----|

## Components

Information not provided.

**Cost Information**      **Transmission Line**  
Information not provided.

**Cost Information**      **Tower Equipment and Rigging Costs**

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

| Description                                   | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification   | Actual Cost | Actual Cost Justification |
|---|-----------------------------|----------------|--|-------------|---------------------------|
| Primary Tower<br>GTOWER                       | \$1,388,425.00              | \$382,798.00   |  | \$0.00      |                           |
| Antenna Change Out                            | <i>\$85,000.00</i>          | \$85,000.00    | Quote attached from PCI  | N/A         | N/A                       |
| Tower Permit Drawing Package                  | <i>\$4,700.00</i>           | \$4,700.00     | Cost estimate provided by tower owner.   | N/A         | N/A                       |
| Ground and Building AE Permit Drawing Package | <i>\$4,700.00</i>           | \$4,700.00     | Cost estimate provided by tower owner.   | N/A         | N/A                       |
| Serious tower reinforcement /modifications    | \$1,052,000.00              | \$275,000.00   | Cost estimate provided by tower owner.   | N/A         | N/A                       |
| Structural Engineering Tower Load Study       | <i>\$5,225.00</i>           | \$5,225.00     | Cost estimate provided by tower owner.   | N/A         | N/A                       |
| Tall Tower (greater than 500')                | \$210,500.00                | \$0.00         | Tower Rigging cost is include in the tower owner's estimate reinforcement / modifications. | N/A         | N/A                       |

|  |                |                |  |             |     |
|--|----------------|----------------|--|-------------|-----|
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00    | \$8,173.00     | Cost estimate provided by tower owner. | N/A         | N/A |
| <b>Sub-total</b>   | \$1,388,425.00 | \$382,798.00   | N/A                                    | \$0.00      | N/A |
| <b>Total for all systems</b>   | \$2,041,645.00 | \$1,025,928.00 | N/A                                    | \$14,799.22 | N/A |

## Components

Information not provided.



## Cost Information

### Outside Professional Services

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

| Description   | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification  | Actual Cost        | Actual Cost Justification |
|---|-----------------------------|--------------------|---|--------------------|---------------------------|
| <b>Outside Professional Services</b>  | <b>\$61,840.00</b>          | <b>\$80,730.00</b> |   | <b>\$14,799.22</b> |                           |
| Tower Owner Project Managment   | <i>\$9,480.00</i>           | \$9,480.00         | Cost provided by tower owner  | N/A                | N/A                       |
| Site Survey   | <i>\$10,000.00</i>          | \$10,000.00        | N/A   | N/A                | N/A                       |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00                  | \$25,000.00        | After consultation with legal counsel, the station is estimating lease negotiation costs of \$25,000 for amending the current site lease with ATC and for negotiating a Master Agreement with ATC relating to the overall tower changes necessary for the station's repack. | \$1,349.00         | N/A                       |

|   |             |             |     |            |     |
|---|-------------|-------------|-----|------------|-----|
| Attorney Fees<br>- Prepare and<br>File FCC Form<br>2100 (main),<br>Construction<br>Permit<br>Application  | \$5,260.00  | \$5,000.00  | N/A | \$580.00   | N/A |
| Project<br>management<br>of the transition  | \$15,800.00 | \$15,000.00 | N/A | \$3,106.75 | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>Construction<br>Permit<br>Application | \$3,155.00  | \$3,000.00  | N/A | \$2,250.00 | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>License to<br>Cover<br>Application    | \$1,580.00  | \$1,500.00  | N/A | N/A        | N/A |
| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>License to<br>Cover<br>Application     | \$2,365.00  | \$2,250.00  | N/A | N/A        | N/A |
| Prepare and<br>or review<br>reimbursement<br>form   | \$2,630.00  | \$2,500.00  | N/A | \$1,339.50 | N/A |
| Perform<br>engineering<br>study for new<br>channel<br>assignment<br>and antenna<br>development            | \$7,360.00  | \$7,000.00  | N/A | \$6,173.97 | N/A |

|                              |                |                |     |             |     |
|------------------------------|----------------|----------------|-----|-------------|-----|
| <b>Sub-total</b>             | \$61,840.00    | \$80,730.00    | N/A | \$14,799.22 | N/A |
| <b>Total for all systems</b> | \$2,041,645.00 | \$1,025,928.00 | N/A | \$14,799.22 | N/A |

## Components

| <b>Actual Information Description</b>  | <b>File Name</b>   |
|--|--|
| Tower Owner Project Managment  | Information not provided.  |
| Site Survey  | Information not provided.  |
| Attorney Fees - Negotiation of lease and other matters for shared locations            | <div> <b>Component Description:</b> Review of shared site issues<br/> <b>Amount:</b> \$242.50 </div> <div> <b>Component Description:</b> Review of Tower Master Services Agreement<br/> <b>Amount:</b> \$242.50 </div> <div> <b>Component Description:</b> Review of Tower Master Services Agreement<br/> <b>Amount:</b> \$864.00 </div> |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | <div> <b>Component Description:</b> Legal Fees for Construction Permit application<br/> <b>Amount:</b> \$580.00 </div>   |

|  |  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
|--|--|-------------------------------|---|----------------|------------|-------------------------------|--------------------------|----------------|----------|-------------------------------|---|----------------|---------|-------------------------------|---|----------------|---------|-------------------------------|--|----------------|------------|-------------------------------|---|----------------|---------|
| Project management of the transition   | <table> <tr> <td data-bbox="710 181 1015 208"><b>Component Description:</b></td><td data-bbox="1150 181 1378 324">Portion of bill for Project Management-KOZJ</td></tr> <tr> <td data-bbox="710 342 815 369"><b>Amount:</b></td><td data-bbox="1150 342 1246 369">\$237.50</td></tr> <tr> <td data-bbox="710 481 1015 508"><b>Component Description:</b></td><td data-bbox="1150 481 1378 546">Project Management Costs</td></tr> <tr> <td data-bbox="710 564 815 591"><b>Amount:</b></td><td data-bbox="1150 564 1246 591">\$194.00</td></tr> <tr> <td data-bbox="710 703 1015 730"><b>Component Description:</b></td><td data-bbox="1150 703 1378 808">Portion of the bill for KOZJ Project Management</td></tr> <tr> <td data-bbox="710 826 815 853"><b>Amount:</b></td><td data-bbox="1150 826 1230 853">\$24.25</td></tr> <tr> <td data-bbox="710 965 1015 992"><b>Component Description:</b></td><td data-bbox="1150 965 1378 1070">Portion of the bill for KOZJ Project Management</td></tr> <tr> <td data-bbox="710 1088 815 1115"><b>Amount:</b></td><td data-bbox="1150 1088 1230 1115">\$54.00</td></tr> <tr> <td data-bbox="710 1227 1015 1254"><b>Component Description:</b></td><td data-bbox="1150 1227 1378 1402">Portion of bill for Preliminary Project Management. Invoice updated per FCC inquiry.</td></tr> <tr> <td data-bbox="710 1420 815 1447"><b>Amount:</b></td><td data-bbox="1150 1420 1270 1447">\$2,500.00</td></tr> <tr> <td data-bbox="710 1559 1015 1585"><b>Component Description:</b></td><td data-bbox="1150 1559 1378 1664">Portion of bill for KOZJ Project Management</td></tr> <tr> <td data-bbox="710 1682 815 1709"><b>Amount:</b></td><td data-bbox="1150 1682 1230 1709">\$97.00</td></tr> </table> | <b>Component Description:</b> | Portion of bill for Project Management-KOZJ   | <b>Amount:</b> | \$237.50   | <b>Component Description:</b> | Project Management Costs | <b>Amount:</b> | \$194.00 | <b>Component Description:</b> | Portion of the bill for KOZJ Project Management | <b>Amount:</b> | \$24.25 | <b>Component Description:</b> | Portion of the bill for KOZJ Project Management | <b>Amount:</b> | \$54.00 | <b>Component Description:</b> | Portion of bill for Preliminary Project Management. Invoice updated per FCC inquiry. | <b>Amount:</b> | \$2,500.00 | <b>Component Description:</b> | Portion of bill for KOZJ Project Management | <b>Amount:</b> | \$97.00 |
| <b>Component Description:</b>  | Portion of bill for Project Management-KOZJ  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$237.50   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Project Management Costs   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$194.00   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Portion of the bill for KOZJ Project Management  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$24.25  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Portion of the bill for KOZJ Project Management  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$54.00  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Portion of bill for Preliminary Project Management. Invoice updated per FCC inquiry.   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$2,500.00   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Portion of bill for KOZJ Project Management  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$97.00  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <table> <tr> <td data-bbox="710 1850 1015 1877"><b>Component Description:</b></td><td data-bbox="1150 1850 1378 2024">Portion of bill for engineering section of CP application. Invoice updated per FCC inquiry.</td></tr> <tr> <td data-bbox="710 2042 815 2069"><b>Amount:</b></td><td data-bbox="1150 2042 1270 2069">\$2,250.00</td></tr> </table>  | <b>Component Description:</b> | Portion of bill for engineering section of CP application. Invoice updated per FCC inquiry. | <b>Amount:</b> | \$2,250.00 |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Component Description:</b>  | Portion of bill for engineering section of CP application. Invoice updated per FCC inquiry.  |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |
| <b>Amount:</b>   | \$2,250.00   |                               |   |                |            |                               |                          |                |          |                               |   |                |         |                               |   |                |         |                               |  |                |            |                               |   |                |         |

|  |   |   |
|--|---|---|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application  | Information not provided.                           |   |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided.                           |   |
| Prepare and or review reimbursement form   | <b>Component Description:</b><br><br><b>Amount:</b> | Prepare or review reimbursement form.<br>\$654.00   |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | Prepare or review reimbursement form. Invoice attachment provides additional support per FCC inquiry.<br>\$588.50 |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | Prepare or review reimbursement form.<br>\$97.00  |

|   |   |                               |  |                |            |                               |   |                |            |
|---|---|-------------------------------|--|----------------|------------|-------------------------------|---|----------------|------------|
| Perform engineering study<br>for new channel<br>assignment and antenna<br>development | <table> <tr> <td data-bbox="694 91 1109 324"> <b>Component Description:</b> </td><td data-bbox="1109 91 1430 324"> Portion of bill for<br/>Engineering Study.<br/>Invoice updated<br/>per FCC inquiry. </td></tr> <tr> <td data-bbox="694 324 1109 414"> <b>Amount:</b> </td><td data-bbox="1109 324 1430 414"> \$4,500.00 </td></tr> <tr> <td data-bbox="694 414 1109 772"> <b>Component Description:</b> </td><td data-bbox="1109 414 1430 772"> Engineering<br/>Services for<br/>channel<br/>assignment and<br/>antenna<br/>development .<br/>Invoice updated<br/>per FCC inquiry. </td></tr> <tr> <td data-bbox="694 772 1109 887"> <b>Amount:</b> </td><td data-bbox="1109 772 1430 887"> \$1,673.97 </td></tr> </table> | <b>Component Description:</b> | Portion of bill for<br>Engineering Study.<br>Invoice updated<br>per FCC inquiry. | <b>Amount:</b> | \$4,500.00 | <b>Component Description:</b> | Engineering<br>Services for<br>channel<br>assignment and<br>antenna<br>development .<br>Invoice updated<br>per FCC inquiry. | <b>Amount:</b> | \$1,673.97 |
| <b>Component Description:</b>   | Portion of bill for<br>Engineering Study.<br>Invoice updated<br>per FCC inquiry.  |                               |  |                |            |                               |   |                |            |
| <b>Amount:</b>  | \$4,500.00  |                               |  |                |            |                               |   |                |            |
| <b>Component Description:</b>   | Engineering<br>Services for<br>channel<br>assignment and<br>antenna<br>development .<br>Invoice updated<br>per FCC inquiry.   |                               |  |                |            |                               |   |                |            |
| <b>Amount:</b>  | \$1,673.97  |                               |  |                |            |                               |   |                |            |

## Cost Information

### Other Expenses

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

| Description  | Predetermined Cost Estimate | Estimated Cost        | Estimated Cost Justification   | Actual Cost        | Actual Cost Justification |
|--|-----------------------------|-----------------------|--|--------------------|---------------------------|
| <b>Other Expenses</b>  | <b>\$25,550.00</b>          | <b>\$25,000.00</b>    |  | <b>\$0.00</b>      |                           |
| MVPD Notification of Channel Change                                      | <i>\$11,000.00</i>          | \$11,000.00           | Send notification to cable companies, MVPD locations, follow up on signal reception after repack switch. | N/A                | N/A                       |
| Develop and air announcement of upcoming channel change                  | <i>\$1,000.00</i>           | \$1,000.00            | Spot creation, talent, production.   | N/A                | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$2,000.00</i>           | \$2,000.00            | N/A  | N/A                | N/A                       |
| DTV Medical Facility Notification  | \$11,550.00                 | \$11,000.00           | N/A  | N/A                | N/A                       |
| <b>Sub-total</b>   | <b>\$25,550.00</b>          | <b>\$25,000.00</b>    | <b>N/A</b>   | <b>\$0.00</b>      | <b>N/A</b>                |
| <b>Total for all systems</b>   | <b>\$2,041,645.00</b>       | <b>\$1,025,928.00</b> | <b>N/A</b>   | <b>\$14,799.22</b> | <b>N/A</b>                |

### Components

Information not provided.



|                             |                              |  |                       |
|-----------------------------|------------------------------|--|-----------------------|
| <b>Cost<br/>Information</b> | <b>Grand Total</b>           |  |                       |
|                             |                              | <b>Predetermined<br/>Cost Estimate</b> | <b>Estimated Cost</b> |
|                             |                              |  | <b>Actual Cost</b>    |
|                             | <b>Total for all systems</b> | \$2,041,645.00                         | \$1,025,928.00        |
|                             |                              |  | \$14,799.22           |

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

| Certification | Section                                     | Question  | Response |
|---------------|---|---|----------|
|               | Submission of Estimated Expenses Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p>   |          |
|               |   | <ol style="list-style-type: none"> <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>James Baker , Dr. .</b><br/> <i>VP,<br/> Missouri<br/> State<br/> University</i></p> <p>12/20/2017</p> |

## Attachments