

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **49397** | Service: **DTV** | Call **KTKA-TV** | Channel: **16 (UHF)**
 ID: | Sign:
 File **0000028777**
 Number:
 FRN: **0022106561** | Date **06/14**
 Submitted: **/2019**

Applicant Information Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|-----------------------------|---|-------------------|---------------------------------|---------------------------|
| KTKA TELEVISION, LLC | Thomas J. Vaughan 14429 BRIDGEVIEW LANE PORT CHARLOTTE, FL 33953 United States | +1 (941) 764-6867 | glenn.richards@pillsburylaw.com | Limited Liability Company |

Reimbursement Contact Name and Information

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

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|--|---|-------------------|--------------------------------|
| Jessica Nyman , Esq . <i>FCC Counsel</i> <i>Pillsbury Winthrop Shaw Pittman LLP</i> | Jessica Nyman 1200 Seventeenth Street Washington, DC 20036 United States | +1 (202) 663-8810 | jessica.nyman@pillsburylaw.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 | Replace transmitter and antenna using existing line. Acquire interim antenna and line for continued operation during construction and duration of the assigned phase. Map and analyze tower; design and implement modifications if required. See attached. |

Transmitters

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

**Auxiliary
Transmitter****Add Transmitter Information**

| Section | Question | Response |
|---|--|-----------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Auxiliary (Backup) |
| | Description of Use | 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 |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Affinity |
| | Year | 2002 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 1 kW |

**Auxiliary
Transmitter****New Transmitter Costs**

| Section | Question | Response |
|-----------------|---|--|
| New Transmitter | Use | Auxiliary (Backup) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Manufacturer | |
| | Model | TBD |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 1 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re- tuned to the assigned channel. See 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 | De-install existing and install new |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Auxiliary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|--------------------------------------|--|
| Additional Interior RF System | Interior RF System Existing Transmitter to Interim Transmission line |

**Primary
Transmitter**

Existing Transmitter Information

| Section | Question | Response |
|---|--|-------------------|
| Existing Transmitter Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is this transmitter currently shared with another station? | No |
| | Is this transmitter currently in operating condition? | Yes |
| Existing Transmitter Manufacturer and Type | Manufacturer | |
| | Model | Diamond |
| | Year | 2006 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 1.8 kW |

**Primary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|---|
| New Transmitter | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | THU9EVO-6 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 9.8 kW |
| | Justification for New Transmitter | The manufacturer of the existing transmitter advises that the transmitter cannot be re-tuned to the assigned channel. See attachment. |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 150 kVA |
| | Rigid Conduit and Wiring | Yes |

| | | |
|--|---|------------|
| | Size | 2 inches |
| | Length | 100.0 feet |
| | Other Electrical Service | No |
| | Description | N/A |
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No |
| | Size | N/A |
| Channel 14 Costs | Is an RF Consulting Engineer needed? | N/A |
| | Is a channel 14 Mask Filer needed? | N/A |
| | Is additional field engineering time needed? | N/A |
| | Number of Days | N/A |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name | Description |
|--------------------------------------|--|
| Additional Interior RF System | Interior RF System Existing Transmitter to Interim Transmission line |

Antennas

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

**Primary
Antenna**

Existing Antenna Information

| Section | Question | Response |
|---|--|--------------------|
| Existing Antenna Description | Type of change | Purchase New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | No |
| | Is the existing antenna directional? | Yes |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Other |
| | Number of Stations Supported | N/A |
| | Number of Panels | N/A |
| | Design power capacity in use | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Other Antenna Type | Travelling Wave |
| | ERP: (Effective Radiated Power) | 89.1 kW |

| | |
|--------------|-----------------------|
| Manufacturer | |
| Model | ATW25H3- HTPXU-49H |
| Year | 2001 |

Primary
Antenna

New Antenna Costs

| Section | Question | Response |
|------------------------------------|--|------------------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 51.0 kW |
| | Manufacturer | |
| | Model | ATW17H3- HTP230-16L |
| | | |

| | |
|-------------------------------|---|
| Year | 2019 |
| Justification for New Antenna | The existing primary top-mount antenna is a single channel slotted coaxial which cannot accommodate the assigned channel. |

Primary Antenna

Other Antenna Costs

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

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

**Primary
Antenna**

Other Antenna Cost Not Listed

Information not provided.

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|--------------------|
| New Antenna Description | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Ownership | Owned |
| | Owner | N/A |
| | Is antenna shared? | No |
| | Is antenna directional? | Yes |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Side Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Horizontal |
| | Type | Slotted Coaxial |
| | Number of Stations Supported | N/A |
| | Number of Panels/Bays | N/A |
| | Lower Limit | N/A |
| | Upper Limit | N/A |
| | Design power capacity in use | N/A |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 89.1 kW |
| | Manufacturer | |
| | Model | TLP-24J |
| | Year | 2019 |
| | | |

| | | |
|--|-------------------------------|---|
| | Justification for New Antenna | An interim antenna is necessary to keep station on the air during primary antenna replacement and for the duration of the assigned phase. |
|--|-------------------------------|---|

**Interim
Antenna**

Other Antenna Costs

| Section | Question | Response |
|---------------------------------|---|---------------|
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | S |
| | Feed Line Size | 4 1/16 inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for an antenna? | Yes |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Interim
Antenna**

Other Antenna Cost Not Listed

Information not provided.

Transmission Line

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

Primary
Transmission Line

Existing Transmission Line

| Section | Question | Response |
|---|--|-------------------|
| Existing Transmission Line Description | Type of change | Purchase New |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Owned |
| | Owner | N/A |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | No |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | |
| | Type | Waveguide |
| | Diameter | N/A |
| | Other Diameter | N/A |
| | Segment Length | N/A |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1485 feet per run |

Primary
Transmission Line

New Transmission Line

| Section | Question | Response |
|-----------------------------|---|---|
| New Transmission Line Costs | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | No |
| | Type | Rigid |
| | Diameter | 6 1/8 inches |
| | Other Diameter | N/A |
| | Segment Length | 19 3/4 inches |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1518 feet per run |
| | Justification for New Transmission Line | The existing primary transmission line is frequency-specific circular waveguide with a diameter that cannot accommodate the assigned channel. |

Primary
Transmission Line

Other Transmission Line Expenses Not Listed

Information not provided.

Interim **New Transmission Line**
Transmission Line

| Section | Question | Response |
|------------------------------------|---|---|
| New Transmission Line Costs | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase New |
| | Type | Rigid |
| | Diameter | 4 1/16 inches |
| | Segment Length | 19 3/4 ' |
| | Other Segment Length | |
| | Number of parallel runs | 1 |
| | Length | 1350 feet per run |
| | Justification for New Transmission Line | An interim transmission line is necessary for the interim antenna to keep station on the air during primary antenna replacement and for the duration of the assigned phase. |

Interim **Other Transmission Line Expenses Not Listed**
Transmission Line

Information not provided.

**Tower
Equipment
And
Rigging
Costs**

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

**Primary
Tower**

Existing Tower

| Section | Question | Response |
|---|---|-------------------|
| Existing Tower Description | Type of change | Construct New |
| | 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 | Yes |
| | 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 | 1031887 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 39° 01' 34.0" N- |
| | Longitude (NAD83) | 095° 55' 02.0" W- |
| | Overall Structure Height | 1439.29 feet |
| | Support Structure Height | 1381.22 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 1109.89 feet |

| | |
|------------------|--|
| Structure Type | TOWER - Free Standing or Guyed Structure |
| Tower Owner | Nexstar Broadcasting, Inc. |
| Date Constructed | 01/01/1984 |

**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 |
|-------------|-----------|---------|
| 67334 | KTPK | FM |
| 18055 | KSAJ-FM | FM |

Other Types of Users

| Users |
|---------------|
| 1 RPU antenna |
| 4 mwave ant |

Primary
Tower

Tower Construction Costs

| Section | Question | Response |
|---------------------|---|---|
| Construct New Tower | Use | Primary (Main) |
| | Description of Use | N/A |
| | Is this a request for upgraded equipment? | No |
| | Height | 1387.00 feet |
| | Justification for New Tower | See attached engineering technical statement, ERI structural analysis and ERI letter of recommendation to construct a new tower |

Primary
Tower

Tower Rigging Costs

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

Primary
Tower

Other Tower Expenses Not Listed

| Name | Description |
|---------------------|---------------------|
| Structural Analysis | Structural analysis |

**Outside
Professional Services Costs**

| Section | Question | Response |
|---|--|---|
| Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 1000 |
| | 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. |
| Outside RF consulting Engineering Services | Perform engineering study for new channel assignment and antenna development | Yes |
| | Prepare engineering section of Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare engineering section of Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | | |

| | | |
|---|--|-----|
| | Quantity | 1 |
| | Do you have Distributed Transmission System engineering services? | N/A |
| | Critical Facility | N/A |
| | Terrain-Shielded Facility | N/A |
| Attorney and Other Outside Consulting Services | Prepare and file Form FCC Construction Permit Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare and file Form FCC License to Cover Application | Yes |
| | For Auxiliary Facility | No |
| | For Main Facility | Yes |
| | Prepare request for Special Temporary Authority | Yes |
| | Quantity | 1 |
| | NEPA Section 106 environmental review | Yes |
| | Environmental Assessment | Yes |
| | 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 |
| RF Field Engineering Services | Comprehensive coverage verification via field study | No |
| | RF exposure measurements | No |
| | Additional Field Engineering Service | Yes |

| | |
|----------------|---|
| Number of Days | 20 |
| 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**
Services provided by the contractor are not provided.

Other Expenses

| Section | Question | Response |
|-------------------------------------|--|----------|
| AM Pattern Disturbance | Is an Impact Study needed? | No |
| | Is Remediation needed? | No |
| Facility Expenses | Name | N/A |
| | Other Distributed Transmission System Expenses Not listed | N/A |
| | Name | N/A |
| | Is Notification of a Medical Facility required as a result of DTV broadcasting? | Yes |
| Permit and Filing Costs | Local Zoning | Yes |
| | 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 |
| Other Miscellaneous Expenses | Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)? | Yes |
| | Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs? | Yes |
| | Does this relocation require Equipment Storage? | Yes |
| | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change? | Yes |
| | Does this relocation require MVPD Notification of a Channel Change? | Yes |

| | |
|-----------------------|----------------------------------|
| Other Expenses | Other Expenses Not Listed |
| | Information not provided. |

Cost
Information

Transmitters

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Primary Transmitter THU9EVO-6 | \$630,850.00 | \$616,150.00 | | \$0.00 | |
| Switchgear - industrial 800 amp | \$38,200.00 | \$37,150.00 | N/A | N/A | N/A |
| UHF - Liquid Cooled Solid State Transmitter 8.2 - 13 kW | \$494,500.00 | \$481,500.00 | N/A | N/A | N/A |
| Transformer 3 phase /480v - 150 KVA | \$25,550.00 | \$24,900.00 | N/A | N/A | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$2,600.00 | \$2,600.00 | N/A | N/A | N/A |
| Additional Interior RF System | <i>\$70,000.00</i> | \$70,000.00 | N/A | N/A | N/A |
| Auxiliary Transmitter TBD | \$171,000.00 | \$168,000.00 | | \$0.00 | |
| Additional Interior RF System | <i>\$35,000.00</i> | \$35,000.00 | N/A | N/A | N/A |

| | | | | | |
|---|--------------------|----------------|-----|----------------|-----|
| Other Electrical Service: De- install existing and install new | \$10,000.00 | \$10,000.00 | N/A | N/A | N/A |
| UHF - Air Cooled Solid State Transmitter 1 - 2.5 kW | \$126,000.00 | \$123,000.00 | N/A | N/A | N/A |
| Sub-total | \$801,850.00 | \$784,150.00 | N/A | \$0.00 | N/A |
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | 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 Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|--------------------|---------------------------------------|---------------|---------------------------|
| Interim Antenna TLP-24J | \$134,110.00 | \$55,127.75 | | \$0.00 | |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00 | \$5,120.00 | N/A | N/A | N/A |
| Side mount brackets for high power antennas (if not included in antenna base cost) | \$23,150.00 | \$4,788.00 | See Dielectric Quote Number 700438CMZ | N/A | N/A |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | \$9,570.00 | \$9,320.00 | N/A | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | See Dielectric Quote Number 700438CMZ | N/A | N/A |

| | | | | | |
|--|-----------------------|-----------------------|---|-----------------------|------------|
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | \$89,400.00 | \$29,499.75 | See Dielectric Quote Number 700438CMZ | N/A | N/A |
| Primary Antenna ATW17H3-HTP230-16L | \$266,030.00 | \$146,598.00 | | \$3,750.00 | |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | \$247,000.00 | \$129,900.00 | See Electronics Research quote 20181228-237 Rev C | \$0.00 | N/A |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | \$12,300.00 | \$10,298.00 | See Dielectric Quote Number DMS153-4 | N/A | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$6,400.00 | See Dielectric Quote Number DMS153-4 | \$3,750.00 | N/A |
| Sub-total | \$400,140.00 | \$201,725.75 | N/A | \$3,750.00 | N/A |
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | N/A |

Components

| Actual Information | |
|--|---|
| Description | File Name |
| 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) | Information not provided. |
| Elbow complex, single channel, at antenna input, per 4 1/16. feedline (if needed) | Information not provided. |
| Sweep test of existing antenna | Information not provided. |
| UHF - Lower Power Side Mount, One station antenna - medium power (50-200 kW), horizontally polarized | Information not provided. |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | <div> Component Description: Main antenna, installment #1 Amount: \$38,970.00 </div> <div> Component Description: Main antenna, installment #2 Amount: \$38,970.00 </div> |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed) | Information not provided. |

| | | |
|--------------------------------|-------------------------------|----------------|
| Sweep test of existing antenna | Component Description: | Sweep test, |
| | | installment #2 |
| | Amount: | \$1,875.00 |
| | | |
| | Component Description: | Sweep test, |
| | | installment #1 |
| | Amount: | \$1,875.00 |
| | | |

Cost
Information

Transmission Line

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|----------------|--|----------------|---------------------------|
| Interim Transmission Line | \$191,700.00 | \$124,098.80 | | \$0.00 | |
| Rigid Transmission Line - copper, 4 1/16" | \$191,700.00 | \$124,098.80 | See Dielectric Quote Number 700438CMZ | N/A | N/A |
| Primary Transmission Line | \$306,636.00 | \$187,000.00 | | \$0.00 | |
| Rigid Transmission Line - copper, 6 1/8" | \$306,636.00 | \$187,000.00 | See Electronic Research quote 20181228-237 Rev C | \$0.00 | N/A |
| Sub-total | \$498,336.00 | \$311,098.80 | N/A | \$0.00 | N/A |
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | N/A |

Components

| Actual Information | |
|---|---------------------------|
| Description | File Name |
| Rigid Transmission Line - copper, 4 1/16" | Information not provided. |

| | | |
|---|-------------------------------|--------------------|
| Rigid Transmission Line - copper, 6 1/8" | Component Description: | Transmission line, |
| | | installment #2 |
| | Amount: | \$56,100.00 |
| | | |
| | Component Description: | Transmission line, |
| | | installment #1 |
| | Amount: | \$56,100.00 |
| | | |

Cost Information

Tower Equipment and Rigging Costs

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|---|-----------------------------|----------------|--|----------------|---------------------------|
| Primary Tower TOWER | \$0.00 | \$0.00 | | \$0.00 | |
| Primary Tower | \$4,093,810.00 | \$3,608,295.00 | | \$1,863,558.60 | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$249,136.00 | See Electronics Research Proposal 20190410-188 Rev A | \$149,481.60 | N/A |
| Structural Analysis | <i>\$25,000.00</i> | \$25,000.00 | Structural analysis and mapping required to determine tower requirements | \$23,005.00 | N/A |
| New tower between 1000' and 1500' without elevator, presumptive soil conditions | \$3,647,810.00 | \$3,334,159.00 | See attached ERI Proposal Number 20181210-098 | \$1,691,072.00 | N/A |
| Sub-total | \$4,093,810.00 | \$3,608,295.00 | N/A | \$1,863,558.60 | N/A |
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | N/A |

Components

| Actual Information | | |
|---|-------------------------------|--|
| Description | File Name | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Component Description: | Antenna installation, installment #2 |
| | Amount: | \$74,740.80 |
| | Component Description: | Antenna installation, installment #1 |
| | Amount: | \$74,740.80 |
| Structural Analysis | Component Description: | Structural analysis |
| | Amount: | \$3,750.00 |
| | Component Description: | Reinforcement and foundation mapping, installment #2 |
| | Amount: | \$6,490.00 |
| | Component Description: | Reinforcement and foundation mapping, installment #1 |
| | Amount: | \$12,765.00 |
| New tower between 1000' and 1500' without elevator, presumptive soil conditions | Component Description: | Guyed Tower, installment #1 |
| | Amount: | \$1,691,072.00 |

Cost Information

Outside Professional Services

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

| Description | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|--|-----------------------------|---------------------|------------------------------|--------------------|---------------------------|
| Outside Professional Services | \$317,750.00 | \$311,920.00 | | \$24,037.00 | |
| Additional Field Engineering Service, 20 Days | <i>\$108,000.00</i> | \$108,000.00 | 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 | \$2,050.00 | N/A | N/A | N/A |
| ASR modification (prepare FCC Form 854) | \$2,105.00 | \$2,050.00 | N/A | N/A | N/A |
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | \$10,520.00 | \$10,240.00 | N/A | N/A | N/A |
| NEPA Section 106 environmental review, if needed | \$6,310.00 | \$6,140.00 | N/A | N/A | N/A |

| | | | | | |
|--|--------------|--------------|-----|-------------|-----|
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$3,680.00 | \$3,585.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00 | \$2,305.00 | N/A | N/A | N/A |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00 | \$5,120.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,535.00 | N/A | N/A | N/A |
| Prepare and or review reimbursement form | \$2,630.00 | \$2,560.00 | N/A | \$2,500.00 | N/A |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$2,560.00 | N/A | N/A | N/A |
| Project management of the transition | \$158,000.00 | \$154,000.00 | N/A | \$11,537.00 | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,170.00 | N/A | \$7,000.00 | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,070.00 | N/A | \$3,000.00 | N/A |
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$1,535.00 | N/A | N/A | N/A |
| Sub-total | \$317,750.00 | \$311,920.00 | N/A | \$24,037.00 | N/A |
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | N/A |

Components

| Actual Information | |
|--|---------------------------|
| Description | File Name |
| Additional Field Engineering Service, 20 Days | Information not provided. |
| 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. |

| | |
|---|--|
| Environmental Assessment, if triggered by NEPA Section 106 review or for certain structures over 450 feet | Information not provided. |
| NEPA Section 106 environmental review, if needed | Information not provided. |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | Information not provided. |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Prepare and or review reimbursement form | <div> <div>Component Description:</div> <div>Prepare reimbursement form, item 2 from invoice summary</div> </div> <div> <div>Amount:</div> <div>\$2,500.00</div> </div> |
| Address transition timing and coordination issues w/ other stations and wireless | Information not provided. |
| Project management of the transition | <div> <div>Component Description:</div> <div>Project management services, item 1 from invoice summary</div> </div> <div> <div>Amount:</div> <div>\$2,625.00</div> </div> |

| | |
|-------------------------------|--|
| Component Description: | Prepare FCC Schedule 387, item 5 from invoice summary |
| Amount: | \$300.00 |

| | |
|-------------------------------|--|
| Component Description: | Prepare FCC Schedule 387, item 7 from invoice summary |
| Amount: | \$150.00 |

| | |
|-------------------------------|--|
| Component Description: | Prepare FCC Schedule 387, item 6 from invoice summary |
| Amount: | \$150.00 |

| | |
|-------------------------------|--|
| Component Description: | Various project management services, item 8 from invoice summary |
| Amount: | \$2,862.00 |

| | |
|-------------------------------|--|
| Component Description: | Project management services 3.30.19 through 4.26.19 |
| Amount: | \$375.00 |

| | |
|-------------------------------|---|
| Component Description: | Project management services 1.1.19 through 1.31.19 |
| Amount: | \$750.00 |

| | |
|-------------------------------|---|
| Component Description: | Project management services 3.2.19 through 3.29.19 |
| Amount: | \$825.00 |

| | |
|-------------------------------|---|
| Component Description: | Project management services 12.1.18 through 12.31.18 |
| Amount: | \$150.00 |

| | |
|-------------------------------|--|
| Component Description: | Project management services 5.26.18 through 6.29.18 |
| Amount: | \$600.00 |

| | |
|-------------------------------|---|
| Component Description: | Project management services 9.29.18 through 10.26.18 |
| Amount: | \$300.00 |

| | |
|-------------------------------|--|
| Component Description: | Project management services 7.28.18 through 9.28.18 |
| Amount: | \$225.00 |

| | |
|-------------------------------|--|
| Component Description: | Project management services 6.30.18 through 7.27.18 |
| Amount: | \$1,275.00 |

| | | |
|--|-------------------------------|---|
| | Component Description: | Project management services 10.27.18 through 11.30.18 |
| | Amount: | \$500.00 |
| | Component Description: | Project management services 2.1.19 through 3.1.19 |
| | Amount: | \$450.00 |
| Perform engineering study for new channel assignment and antenna development | Component Description: | Perform engineering study for new channel assignment, item 3 from invoice summary |
| | Amount: | \$7,000.00 |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | Component Description: | Prepare engineering sections of Form 2100, item 4 from invoice summary |
| | Amount: | \$3,000.00 |
| Prepare request for Special Temporary 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 | \$125,050.00 | \$124,750.00 | | \$0.00 | |
| Local Zoning | <i>\$10,000.00</i> | \$10,000.00 | N/A | N/A | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$11,250.00 | N/A | N/A | N/A |
| Non-zoning permits | <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 |
| Equipment Delivery and Handling Charges | <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 |
| Develop and air announcement of upcoming channel change | <i>\$1,500.00</i> | \$1,500.00 | Costs to produce spots and crawls for viewer notification. | N/A | N/A |
| MVPD Notification of Channel Change | <i>\$2,000.00</i> | \$2,000.00 | N/A | N/A | N/A |
| Sub-total | \$125,050.00 | \$124,750.00 | N/A | \$0.00 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | N/A | \$1,891,345.60 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

Information not provided.

**Cost
Information****Grand Total**

| | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
|-----------------------|--------------------------------|----------------|----------------|
| Total for all systems | \$6,236,936.00 | \$5,341,939.55 | \$1,891,345.60 |

Reimbursement Status

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

| Certification | Section | Question | Response |
|---------------|---|---|----------|
| | Submission of Estimated Expenses Statements | <p>WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.</p> | |
| | | <ol style="list-style-type: none"> 1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount. | |

4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

| | |
|---|--|
| <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>Thomas J. Vaughan <i>Manager</i></p> <p>06/14/2019</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"> 1. The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct. 3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations. | |

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

| | |
|--|--|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> | |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p> | <p>Thomas J. Vaughan <i>Manager</i></p> <p>06/14/2019</p> |

Attachments