



(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

Facility **25456** | Service: **DTV** | Call **WBZ-TV** | Channel: **20 (UHF)** |
ID: | Sign:
File **0000027825**
Number:
FRN: **0021079769** | Date **06/04**
Submitted: **/2019**

Applicant Information

Applicant Name, Type, and Contact Information

| Applicant | Address | Phone | Email | Applicant Type |
|---|--|-------------------|----------------|---------------------------|
| CBS TELEVISION LICENSES LLC Doing Business As: CBS TELEVISION LICENSES LLC | Daniel G. Ryson 1725 DeSales St. NW Suite 501 Washington, DC 20036 United States | +1 (202) 457-4505 | dryson@cbs.com | Limited Liability Company |

Reimbursement Contact Information

Reimbursement Contact Name and Information

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

Preparer Contact Information

Preparer Contact Name and Information

| Applicant | Address | Phone | Email |
|-------------------------------|---|-------------------|----------------|
| Daniel G. Ryson CBS | Daniel G. Ryson 1725 DeSales Street NW Suite 501 Washington, DC 20036 United States | +1 (202) 457-4074 | dryson@cbs.com |

**Broadcaster
Information
and
Transition
Plan**

| Question | | Response |
|--|--|--|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | | Yes |
| Briefly describe transition plan | | American Tower will build an interim site in Needham, MA, including a broadband antenna and transmitter building to be used while building the permanent site in Needham Heights, MA |

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 | When Main TX Unavailable |
| | 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 | 2008 |
| | Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power Capacity | 14 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 | ULXTE-24 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Air Cooled |
| | Solid State Power capacity | 14.4 kW |
| | Justification for New Transmitter | Manufacturer Cannot Re- tune Existing Transmitter (see Exhibit 1). |

**Auxiliary
Transmitter****Other Transmitter Costs**

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

| | | |
|--|---|-----|
| HVAC Service | Does the replacement transmitter require HVAC Service? | No |
| | Type | N/A |
| | Size | N/A |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other 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**
Information not provided.

**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 | Sigma |
| | Year | 1999 |
| | Type | Inductive Output Tube |
| | IOT Power Type | Two |
| | Power Capacity | 46 kW |

**Primary
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|-----------------|---|--|
| New Transmitter | Use | Primary (Main) |
| | Change Type | Purchase New |
| | Is this a request for upgraded equipment? | Yes |
| | Manufacturer | |
| | Model | ULXTE-72 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 47.2 kW |
| | Justification for New Transmitter | GatesAir won't retune (see Exhibit 1). Non-upgraded IOT transmitter is more expensive (see Exhibit 2). Proposed transmitter is less expensive (See Exhibit 3). |

**Primary
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|--------------------|---------------------------------------|----------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | No |
| | Switchgear (industrial 800 amp) | No |
| | | |

| | | |
|--|---|---|
| | Transformer (480V) | No |
| | Power | N/A |
| | Rigid Conduit and Wiring | No |
| | Size | N/A |
| | Length | N/A |
| | Other Electrical Service | Yes |
| | Description | Transformer and surge suppressor. See Exhibit 3 Item C. |
| 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**
Information not provided.

**Interim
Transmitter**

New Transmitter Costs

| Section | Question | Response |
|------------------------|-----------------------------------|---|
| New Transmitter | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Purchase |
| | Manufacturer | |
| | Model | ULXTE-72 |
| | Transmitter Type | Solid State |
| | Solid State Cooling | Liquid Cooled |
| | Solid State Power capacity | 47.2 kW |
| | Justification for New Transmitter | Required to maintain WBZ-TV operations from Interim site while main antenna is rebuilt. See also Exhibit 4. |

**Interim
Transmitter**

Other Transmitter Costs

| Section | Question | Response |
|---------------------------|---------------------------------------|------------|
| Electrical Service | Service Entrance (3 phases 800A 208V) | Yes |
| | Switchgear (industrial 800 amp) | Yes |
| | Transformer (480V) | Yes |
| | Power | 500 kVA |
| | Rigid Conduit and Wiring | Yes |
| | Size | 2 inches |
| | Length | 200.0 feet |

| | | |
|--|---|---|
| | Other Electrical Service | Yes |
| | Description | Various Electrical Service from attached GatesAir Estimate (see Exhibit 3). |
| HVAC Service | Does the replacement transmitter require HVAC Service? | Yes |
| | Type | Cooling Only |
| | Size | 20 tons |
| | Other Size | N/A |
| Transmitter Building Addition/Modification or Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leasehold improvement? | Yes |
| | Size | 1500.0 square feet |
| 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 |
| Inside RF System | Is an additional interior RF system required to support this interim transmitter? | No |

Interim Transmitter **Other Transmitter Cost Not Listed**

| Name | Description |
|--------------------------------|---|
| Ice Shield | For HVAC Equipment |
| TX Room Electrical | Various Electrical work. See proposal in Exhibit 22 |
| 100 Feet 4-Inch Conduit | 100 Feet 4-Inch Conduit |

| | |
|-----------------------|---|
| New Sub Panels | Four (4) new sub panels at approximately 200 amps each. |
|-----------------------|---|

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 | Lease New |
| | Antenna Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | Owner | American Tower Corporation |
| | Site | N/A |
| | Is the existing antenna shared with another station or stations? | Yes |
| | Is the existing antenna directional? | No |
| | Is antenna in operating condition? | Yes |
| | Is antenna located on or in close proximity to an antenna farm? | No |
| Existing Antenna Manufacturer and Type | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Top |
| | Polarization | Horizontal |
| | Type | Broadband Panel |
| | Number of Stations Supported | 4 |
| | Number of Panels | 99 |
| | Design power capacity in use | 87.0 % |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 698.00 MHz |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 825.0 kW |

| | | |
|--|--------------|-------------------|
| | Manufacturer | |
| | Model | TAD-24UDA-5/60-MR |
| | Year | 1999 |

Facility ID's and Call Signs of all stations with whom the antenna is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 65684 | WCVB-TV |
| 72098 | WGBX-TV |
| 73982 | WSBK-TV |

**Primary
Antenna**

New Antenna Costs

| Section | Question | Response |
|---|--|----------------------------------|
| New Antenna Description | Use | Primary (Main) |
| | Description of Use | N/A |
| | Change Type | Lease New |
| | Is this a request for upgraded equipment? | Yes |
| | Ownership | Leased |
| | Owner | American Tower Corporation |
| | Is antenna shared? | Yes |
| | Is antenna directional? | No |
| | Will antenna be located on or in close proximity to an antenna farm? | No |
| New Antenna Manufacturer and Types | Class | Full Power |
| | Mounting | Top Mount |
| | Antenna position in stack | Not in Stack |
| | Polarization | Elliptical |
| | Type | Broadband Panel |
| | Number of Stations Supported | 4 |
| | Number of Panels/Bays | 56 |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 608.00 MHz |
| | Design power capacity in use | 99.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 740.0 kW |
| | Manufacturer | |
| | | |

| | |
|-------------------------------|---|
| Model | TUM-AP-O4-14/56H-2-T |
| Year | 2019 |
| Justification for New Antenna | Top Mount 14 bay Broadband antenna required to accommodate the new repack frequencies. This antenna will be a four-sided assembly mast. In use power capacity is unknown. Pre-transition antenna has 120 panels. See Exhibit 5. |

Primary Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|---------------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | New |
| | Number of channels supported | 4 |
| | Frequencies of channels supported | Upper and lower frequency |
| | Frequency | 470.0 MHz - 608.0 MHz |
| | Do you need a combiner output splitter /switcher for dual feed lines? | No |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |

| | | |
|---------------------------------|---|----------------------------|
| | Broadband or Single Channel? | Broadband |
| | Feed Line Size | 8 3/16 inches 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

| Name | Description |
|-------------------------|--|
| Install Combiner | Installation of combiner; Single chain of 5 high power constant impedance waveguide modules, and/or dual chains of 5 directional filter modules per Dielectric layout. required for broadband antenna system. See Exhibit 5. |

**Interim
Antenna**

New Antenna Costs

| Section | Question | Response |
|--|--|----------------------------|
| New Antenna Description | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Lease New |
| | Ownership | Leased |
| | Owner | American Tower Corporation |
| | Is antenna shared? | Yes |
| | 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 | Top Mount |
| | Antenna position in stack | Bottom |
| | Polarization | Elliptical |
| | Type | Broadband Panel |
| | Number of Stations Supported | 5 |
| | Number of Panels/Bays | 56 |
| | Lower Limit | 470.00 MHz |
| | Upper Limit | 608.00 MHz |
| | Design power capacity in use | 99.0 % |
| | Other Antenna Type | N/A |
| | ERP: (Effective Radiated Power) | 740.0 kW |
| | Manufacturer | |
| | Model | TUM-AP-O4-14/56H-2-T |

| | |
|-------------------------------|---|
| Year | 2018 |
| Justification for New Antenna | Required for shared use by five stations at interim site. See Exhibit 4 for interim site justification. |

Interim Antenna

Other Antenna Costs

| Section | Question | Response |
|------------------------------------|---|---------------------------|
| Combiner for Shared Antenna | Do you need a Combiner for a Shared Antenna? | Yes |
| | Type | New |
| | Number of channels supported | 5 |
| | Frequencies of channels supported | Upper and lower frequency |
| | Frequency | 470.0 MHz - 608.0 MHz |
| | Do you need a combiner output splitter /switcher for dual feed lines? | No |
| Elbow Complex | Do you require the separate purchase of the Elbow Complex? | Yes |
| | Broadband or Single Channel? | B |
| | Feed Line Size | 8 3/16 inches |
| Side Mount Brackets | Do you require the separate purchase of side mount brackets for an antenna? | No |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No |
| Sweep Test | Do you require the sweep testing of transmission line and antenna? | Yes |

**Interim
Antenna**

Other Antenna Cost Not Listed

| Name | Description |
|-----------------------|---|
| Combiner Installation | Installation of combiner; Single chain of 5 high power constant impedance waveguide modules, and/or dual chains of 5 directional filter modules per Dielectric layout. required for broadband antenna system. See Exhibit 16. |

Transmission Line

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

Primary Transmission Line**Existing Transmission Line**

| Section | Question | Response |
|--|--|----------------------------|
| Existing Transmission Line Description | Type of change | Utilize Existing |
| | Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | Owner | American Tower Corporation |
| | Site | N/A |
| | Is the existing transmission line shared with another station or stations? | Yes |
| | Is Transmission Line in operating condition? | Yes |
| Existing Transmission Line Manufacturer and Type | Manufacturer | Dielectric |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Other Diameter | N/A |
| | Segment Length | Broadband |
| | Other Segment Length | N/A |
| | Number of parallel runs | 1 |
| | Length | 1440 feet per run |

Facility ID's and Call Signs of all stations with whom the transmission line is shared.

| Facility ID | Call Sign |
|-------------|-----------|
| 72098 | WGBX-TV |
| 65684 | WCVB-TV |
| 73982 | WSBK-TV |

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

| Name | Description |
|--------------------|---|
| Nitrogen Generator | Nitrogen Generator Upgrade. See Exhibit 15, Line 1-B-1. |

Interim Transmission Line **New Transmission Line**

| Section | Question | Response |
|-----------------------------|---|---|
| New Transmission Line Costs | Use | Interim |
| | Description of Use | N/A |
| | Change Type | Lease New |
| | Type | Rigid |
| | Diameter | 8 3/16 inches |
| | Segment Length | Broadband |
| | Other Segment Length | |
| | Number of parallel runs | 2 |
| | Length | 1250 feet per run |
| | Justification for New Transmission Line | Two (2) 8-3 /16" Broadband rigid transmission lines, six (6) elbows (3 each line) and |

a nitrogen generator for pressurization. Required for Interim antenna. See Exhibit 16.

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

| Name | Description |
|--------------------|---|
| Nitrogen Generator | Nitrogen Generator Upgrade. See Exhibit 16, Line 1-B-1. |

Tower Equipment And Rigging Costs

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

Auxiliary Tower

Add Tower

| Section | Question | Response |
|--|---|--------------------|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Auxiliary (Backup) |
| | Description of Use | Interim Use |
| | Ownership | Leased |
| | Is this tower consider Complex? | Candelabra |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | No |
| | Is tower documented for structural analysis? | Unknown |
| | Is tower compliant with Rev G? | Unknown |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1004233 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 42° 18' 10.7" N- |
| | Longitude (NAD83) | 071° 13' 04.9" W- |
| | Overall Structure Height | 1200.77 feet |
| | Support Structure Height | 1101.04 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 150.92 feet |
| | Structure Type | GTOWER - Guyed |

| | | |
|--|------------------|---|
| | | Structure Used for Communication Purposes |
| | Tower Owner | American Towers, LLC |
| | Date Constructed | 04/19/2005 |

**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 |
|-------------|-----------|---------|
| 6463 | WFXT | DTV |
| 73238 | WLVI | DTV |
| 9639 | WODS | FM |
| 26897 | WWBX | FM |
| 1901 | WBZ-FM | FM |
| 23439 | WBOS | FM |

**Auxiliary
Tower**

Tower Modification Costs

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

**Auxiliary
Tower**

Tower Rigging Costs

| Section | Question | Response |
|----------------------------|---------------|------------|
| Tower Rigging Costs | Complex Tower | Candelabra |

| | | |
|---|-----------------------------------|----|
| Helicopter Services Required | Are helicopter services required? | No |
|---|-----------------------------------|----|

**Auxiliary
Tower**

Other Tower Expenses Not Listed

| Name | Description |
|--------------------------------|---|
| Construction Management | Nine hours on Modification project management and fifteen hours for RF installation project management for a total of twenty days. See Exhibit 6. |
| Interim Tower Rent | Interim Tower Rent. See Exhibit 6. |
| Tower Permit Packages | Tower and ground equipment drawing package. Required for local approvals. See Exhibit 6. |

**Primary
Tower****Existing Tower**

| Section | Question | Response |
|--|---|---|
| Existing Tower Description | Type of change | Modify Existing |
| | Tower Use | Primary (Main) |
| | Description of Use | N/A |
| | Ownership | Leased |
| | Is this tower consider Complex? | Candelabra |
| | Is this tower currently shared with any other stations? | Yes |
| | One or more FM, AM or TV radio broadcaster(s) | Yes |
| | Others Types of Users | No |
| | Is tower documented for structural analysis? | Yes |
| | Is tower compliant with Rev G? | Unknown |
| Existing Tower Structure Registration | Do you have a tower registration number? | Yes |
| | ASR Number | 1003433 |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83) | 42° 18' 37.0" N- |
| | Longitude (NAD83) | 071° 14' 12.0" W- |
| | Overall Structure Height | 1296.24 feet |
| | Support Structure Height | 1192.24 feet |
| | Ground Elevation Above Mean Sea Level (AMSL) | 152.89 feet |
| | Structure Type | GTOWER - Guyed Structure Used for Communication Purposes |
| | Tower Owner | American Tower, LLC |
| | Date Constructed | 01/01/1957 |

**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 |
|-------------|-----------|---------|
| 65684 | WCVB-TV | DTV |
| 18783 | WYDN | DTV |
| 72098 | WGBX-TV | DTV |
| 10542 | WKLB-FM | FM |
| 73982 | WSBK-TV | DTV |
| 72099 | WGBH-TV | DTV |
| 68241 | WBUR-FM | FM |

**Primary
Tower**

Tower Modification Costs

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

**Primary
Tower**

Tower Rigging Costs

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

Primary
Tower

Other Tower Expenses Not Listed

| Name | Description |
|--------------------------|--|
| Tower Permit Packages | The generation of a construction drawing package for one (1) broadcasters /customers. See Exhibit 5. |
| Tower Project Management | (44) hours on Modification project management and RF installation project management. |

**Outside
Professional**

| Section | Question | Response |
|---|--|-------------------------------------|
| Services Costs Outside Project Management Services | Do you require outside project management services? | Yes |
| | Number of Hours | 250 |
| | Explanation | Company lacks sufficient resources. |
| 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 | No |
| | For Auxiliary Facility | N/A |
| | For Main Facility | N/A |
| | Prepare and file Form FCC License to Cover Application | No |
| | For Auxiliary Facility | N/A |
| | | |

| | | |
|--------------------------------------|--|-----|
| | For Main Facility | N/A |
| | Prepare request for Special Temporary Authority | No |
| | Quantity | N/A |
| | NEPA Section 106 environmental review | No |
| | Environmental Assessment | No |
| | ASR Modification | 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 | No |
| | 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 | No |
| | Number of Days | N/A |
| | Justification | N/A |

Outside Professional Services Costs

Other Professional Services Expenses Not Listed

| Name | Description |
|-----------------------|---|
| LocalPermits | Prepare and submit forms for necessary electrical, building and other permits. |
| RF System Test | Testing of the combiners to ensure one frequency is tuned for optimal patterns. See Exhibits 5 and 6. |

Other Expenses

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

**Other
Expenses**

Other Expenses Not Listed

| Name | Description |
|--|--|
| Site Security | Site security for installation and storage of Transmission line and materials for 30 days X 12 hours. These materials are a high risk of theft due to the material makeup such as copper, brass and aluminum. (See Exhibit 3.) |
| Disconnect Transmitters | Labor and expenses for disconnect and removal of existing transmitters. See Exhibit 3 Item F and Exhibit 9 Item F. |
| Asbestos and Lead Paint Testing | Asbestos testing, removal and abatement for walls which could contain lead paint and /or the flooring may contain asbestos, because of the age of the facility and the era when the original construction took place. (See Exhibit 3.) |
| Building Partition | This cost is to provide permitting for building partition and electrical service installation in the shared space. This install is to provide security for broadcasters and sufficient power for transmitters. See Exhibit 3. |
| Ice Shield for HVAC | Ice protection for HVAC compressor units near tower in areas prone to ice and snow. See Exhibit 3. |
| Public Hearing | Public hearing to alter height of primary tower by changing top antenna. See Exhibit 2. |
| Site Coordination Meeting | Site coordination meetings with all broadcasters, contractors and vendors involved with the site deliveries and construction. This cost is for travel and logistics expenses accrued. See Exhibits 2 and 3. |

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 |
|---|-----------------------------|----------------|---|----------------|---------------------------|
| Interim Transmitter ULXTE-72 | \$1,723,549.82 | \$1,445,711.62 | | \$1,289,654.23 | |
| New Sub Panels | <i>\$10,000.00</i> | \$10,000.00 | Provide proper voltage and current for each additional transmitter, house power, HVAC, and ancillary equipment. See Exhibit 6. | \$7,500.00 | N/A |
| 100 Feet 4-Inch Conduit | <i>\$1,920.00</i> | \$1,920.00 | 100' L/F of 4" conduit and larger conductor. Brings in an additional 500 KVA for new transmitters, HVAC, Air handlers and house power. The existing power supply is inadequate for the new repack equipment. See Exhibit 6. | \$1,440.00 | N/A |
| TX Room Electrical | <i>\$91,631.00</i> | \$91,631.00 | Transmitter Room Electrical Work - Various. See proposal attached as Exhibit 22. | \$42,867.90 | N/A |
| Other -- Building Addition Size: 1500.0 | <i>\$1,800.00</i> | \$1,800.00 | This cost is to provide permitting for building partition | \$1,350.00 | N/A |

| | | | | | |
|---|--------------------|-------------|--|-------------|-----|
| | | | and electrical service installation in the shared space. This install is to provide security for broadcasters and sufficient power for transmitters. See Exhibit 6. | | |
| Other -- HVAC Service Type: C Size:20 (Other) | \$22,000.00 | \$22,000.00 | 20 ton HVAC split units to maintain operational temperatures. This is to supplement existing HVAC. Calculation for the HVAC size is calculated using the power of the three transmitters at 30% efficiency. See Exhibit 6. | \$16,500.00 | N/A |
| Other Electrical Service: Various Electrical Service from attached GatesAir Estimate (see Exhibit 3). | \$12,998.82 | \$12,998.82 | Transformer and surge suppressor required to support interim transmitter. See Exhibit 8, Item D. | \$12,998.82 | N/A |
| 2" Rigid Conduit and Wiring (Cost per foot) | \$5,200.00 | \$1,000.00 | This cost includes 200 L/F of 2" conduit and conductor to supply HVAC, Air handlers and House power. The existing power supply is | \$750.00 | N/A |

inadequate for the additional power demands of the new repack equipment. See Exhibit 6.

| | | | | | |
|---|-------------|------------|--|------------|-----|
| Transformer 3 phase /480v - 500 KVA | \$48,400.00 | \$9,200.00 | Install additional 500 KVA transformer for new tenant space to operate transmitter, heat exchangers and other equipment on the new repack frequency into the broadband antenna. See Exhibit 6. | \$6,900.00 | N/A |
| Switchgear - industrial 800 amp | \$38,200.00 | \$7,260.00 | New Switchgear required accommodate the repack equipment and new 500 KVA transformer. The existing service does not have sufficient capacity to support transmitters. See Exhibit 6. | \$5,445.00 | N/A |
| Service entrance 3 phase/800 amp/208 volt | \$14,400.00 | \$2,740.00 | Install 3 phase, 800 amp, 480 VAC in existing common area of the building being changed to a shared space for one transmitter which currently does not support the | \$2,055.00 | N/A |

| | | | | | |
|---|-----------------------|-----------------------|--|---------------------|-----|
| | | | required power capacity. See Exhibit 6. | | |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00 | \$1,281,161.80 | Please see Exhibit 8, Items A, B, D, and E plus Heat Exchanger Unistrut Frame, Exhibit 20. | \$1,188,847.51 | N/A |
| Ice Shield | \$4,000.00 | \$4,000.00 | Required to protect outdoor HVAC units. | \$3,000.00 | N/A |
| Primary Transmitter ULXTE-72 | \$1,485,998.82 | \$1,312,554.72 | | \$889,079.33 | |
| Other Electrical Service: Transformer and surge suppressor. See Exhibit 3 Item C. | \$12,998.82 | \$12,998.82 | Transformer and surge suppressor. Required for proper operation of transmitter. See Exhibit 3, Item D. | \$12,998.82 | N/A |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00 | \$1,299,555.90 | See Exhibit 3, Items A, B, C, and E | \$876,080.51 | N/A |
| Auxiliary Transmitter ULXTE-24 | \$546,334.94 | \$545,084.94 | | \$461,018.86 | |
| UHF - Air Cooled Solid State Transmitter 14.4 kW | \$520,784.94 | \$520,784.94 | Proposed transmitter is a like-for-like replacement of existing transmitter. An estimate is provided as Exhibit 9. Category D (Electrical) is listed separately. | \$458,515.83 | N/A |

| | | | | | |
|--|----------------|----------------|-----|----------------|-----|
| Transformer 3 phase /480v - 150 KVA | \$25,550.00 | \$24,300.00 | N/A | \$2,503.03 | N/A |
| Sub-total | \$3,755,883.58 | \$3,303,351.28 | N/A | \$2,639,752.42 | N/A |
| Total for all systems | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |

Components

| Actual Information | |
|-------------------------|---|
| Description | File Name |
| New Sub Panels | <p>Component Description: Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Electrical Sub Panels, Exhibit 6, 3-C-6.</p> <p>Amount: \$5,000.00</p> <p>Component Description: Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Electrical Sub Panels, Exhibit 6, 3-C-6.</p> <p>Amount: \$2,500.00</p> |
| 100 Feet 4-Inch Conduit | |

| | |
|--|--|
| | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 4-inch conduit, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$960.00</p> |
| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 4-inch conduit, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$480.00</p> |
| TX Room Electrical | <p>Component Description:</p> <p>Various Electrical Work, Requisition #1. Note: Form 399 will not accept a vendor name with an ampersand.</p> <p>Amount:</p> <p>\$42,867.90</p> |
| Other -- Building Addition Size: 1500.0 | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Building Addition, Exhibit 6, 3-C-3.</p> <p>Amount:</p> <p>\$450.00</p> |

| | |
|--|--|
| | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Building Addition, Exhibit 6, 3-C-3.</p> <p>Amount:</p> <p>\$900.00</p> |
| Other -- HVAC Service Type: C Size:20 (Other) | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 20-Ton HVAC, Exhibit 6, 3-C-2.</p> <p>Amount:</p> <p>\$5,500.00</p> <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 20-Ton HVAC, Exhibit 6, 3-C-2.</p> <p>Amount:</p> <p>\$11,000.00</p> |
| Other Electrical Service: Various Electrical Service from attached GatesAir Estimate (see Exhibit 3). | |

| | |
|--|---|
| | <p>Component Description:</p> <p>Invoice is for Interim Transmitter (See Exhibit 8 Items A, B, C, and D plus Exhibit 21). This dollar amount is for Electrical - Exhibit 8 Item D. The remainder is shown in the transmitter cost category.</p> <p>Amount:</p> <p>\$12,998.82</p> |
| 2" Rigid Conduit and Wiring (Cost per foot) | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 2-inch conduit, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$500.00</p> <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 2-inch conduit, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$250.00</p> |
| Transformer 3 phase/480v - 500 KVA | |

| | | | | | | | | | |
|---------------------------------|--|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| | <table> <tr> <td data-bbox="711 96 1145 517">Component Description:</td><td data-bbox="1145 96 1426 517">Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 500 KVA Transformer, Exhibit 6, 3-C-1.</td></tr> <tr> <td data-bbox="711 517 1145 584">Amount:</td><td data-bbox="1145 517 1426 584">\$2,300.00</td></tr> <tr> <td data-bbox="711 584 1145 1005">Component Description:</td><td data-bbox="1145 584 1426 1005">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 500 KVA Transformer, Exhibit 6, 3-C-1.</td></tr> <tr> <td data-bbox="711 1005 1145 1106">Amount:</td><td data-bbox="1145 1005 1426 1106">\$4,600.00</td></tr> </table> | Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 500 KVA Transformer, Exhibit 6, 3-C-1. | Amount: | \$2,300.00 | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 500 KVA Transformer, Exhibit 6, 3-C-1. | Amount: | \$4,600.00 |
| Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 500 KVA Transformer, Exhibit 6, 3-C-1. | | | | | | | | |
| Amount: | \$2,300.00 | | | | | | | | |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 500 KVA Transformer, Exhibit 6, 3-C-1. | | | | | | | | |
| Amount: | \$4,600.00 | | | | | | | | |
| Switchgear - industrial 800 amp | <table> <tr> <td data-bbox="711 1106 1145 1637">Component Description:</td><td data-bbox="1145 1106 1426 1637">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 800A Switchgear, Exhibit 6, 3-C-1.</td></tr> <tr> <td data-bbox="711 1637 1145 1704">Amount:</td><td data-bbox="1145 1637 1426 1704">\$3,630.00</td></tr> <tr> <td data-bbox="711 1704 1145 2130">Component Description:</td><td data-bbox="1145 1704 1426 2130">Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 800A Switchgear, Exhibit 6, 3-C-1.</td></tr> <tr> <td data-bbox="711 2130 1145 2197">Amount:</td><td data-bbox="1145 2130 1426 2197">\$1,815.00</td></tr> </table> | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 800A Switchgear, Exhibit 6, 3-C-1. | Amount: | \$3,630.00 | Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 800A Switchgear, Exhibit 6, 3-C-1. | Amount: | \$1,815.00 |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of 800A Switchgear, Exhibit 6, 3-C-1. | | | | | | | | |
| Amount: | \$3,630.00 | | | | | | | | |
| Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of 800A Switchgear, Exhibit 6, 3-C-1. | | | | | | | | |
| Amount: | \$1,815.00 | | | | | | | | |

Service entrance 3 phase
/800 amp/208 volt

Component Description:

Invoice is 50%
Down Payment for
\$230,591.50 ATC
total estimated
cost. (See Exhibit
6). This amount is
50% of 800A
Service Entrance,
Exhibit 6, 3-C-1.

Amount:

\$1,370.00

Component Description:

Invoice is 25%
Down Payment for
\$115,297.75 ATC
total estimated
cost. (See Exhibit
6). This amount is
25% of 800A
Service Entrance,
Exhibit 6, 3-C-1.

Amount:

\$685.00

UHF - Liquid Cooled Solid
State Transmitter 35 - 50 kW

Component Description:

Interim
Transmitter
Progress Payment.

Amount:

\$430,755.41

Component Description:

Interim
Transmitter Down
Payment

Amount:

\$435,088.75

| | |
|---|--|
| | <p>Component Description:</p> <p>Invoice is for Interim Transmitter (See Exhibit 8 Items A, B, C, and D plus Exhibit 21). This dollar amount is total invoice amount minus 100% of Electrical - Exhibit 8 Item D, shown in a different cost category.</p> <p>Amount:</p> <p>\$323,003.35</p> |
| Ice Shield | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Ice Shield, Exhibit 6, 3-C-6.</p> <p>Amount:</p> <p>\$14,400.00</p> <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Ice Shield, Exhibit 6, 3-C-6.</p> <p>Amount:</p> <p>\$2,000.00</p> |
| Other Electrical Service: Transformer and surge suppressor. See Exhibit 3 Item C. | |

| | |
|--|--|
| | <p>Component Description:</p> <p>Invoice is for Primary Transmitter Final Payment Before Shipment. This electrical component is listed separately from the rest of the transmitter.</p> <p>Amount:</p> <p>\$12,998.82</p> |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | <p>Component Description:</p> <p>Primary Transmitter Down Payment</p> <p>Amount:</p> <p>\$449,676.77</p> <p>Component Description:</p> <p>Primary Transmitter Final Payment Before Shipment. Includes all but Electrical (Item D) which is listed separately.</p> <p>Amount:</p> <p>\$426,403.74</p> |
| UHF - Air Cooled Solid State Transmitter 14.4 kW | <p>Component Description:</p> <p>Invoice for transmitter, mask filter, RF accessories, and electrical shown separately. See Exhibit 25.</p> <p>Amount:</p> <p>\$119,512.45</p> |

| | | |
|------------------------------------|-------------------------------|--|
| | Component Description: | Invoice for transmitter, electrical, and old transmitter removal is split among three cost categories. See Exhibit 24. |
| | Amount: | \$163,999.61 |
| | Component Description: | Auxiliary Transmitter Down Payment |
| | Amount: | \$175,003.77 |
| Transformer 3 phase/480v - 150 KVA | Component Description: | Invoice is split among three cost categories. See Exhibit 24. Corrected typo in dollar amount March 21, 2019. |
| | Amount: | \$1,408.79 |
| | Component Description: | Invoice is for transmitter, mask filter, RF accessories, and electrical. This cost is just electrical. See Exhibit 25. |
| | Amount: | \$1,094.24 |

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 TUM-AP-O4-14/56H-2-T | \$196,667.00 | \$231,787.00 | | \$125,567.00 | |
| Combiner Installation | <i>\$10,000.00</i> | \$10,000.00 | Installation of dual chain combiner. See Exhibit 16 Line 3-C-2 for this cost estimate. | \$5,250.00 | N/A |
| UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized | <i>\$76,787.00</i> | \$76,787.00 | New Dielectric 14 bay, 56 elements total, 1 assembly mast. See Exhibit 16. | \$62,417.00 | N/A |
| Sweep test of existing antenna | \$6,730.00 | \$3,000.00 | See Exhibit 6. | \$2,250.00 | N/A |
| New combiner, cost per channel (without antenna) | \$84,200.00 | \$135,400.00 | Dual chains of mask filter /combiner modules per Dielectric layout. Includes input power dividers and output switching to allow | \$50,250.00 | N/A |

transmitter
alignment
/testing not
otherwise
available.
Eliminates
need for
mask filter.
See Exhibit
16 Line 3-C-
1.

| | | | | | |
|--|-----------------------|---------------------|--|---------------|-----|
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | \$18,950.00 | \$6,600.00 | Two (2) Elbow complex for the input of the new Broadband antenna. See Exhibit 16. | \$5,400.00 | N/A |
| Primary Antenna TUM-AP-O4-14/56H-2-T | \$1,211,130.00 | \$244,000.00 | | \$0.00 | |
| Install Combiner | \$11,250.00 | \$11,250.00 | Installation cost of the new combiner. Required to replace existing combiner and support required multi-station antenna. See Exhibit 15. | N/A | N/A |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | \$18,950.00 | \$10,000.00 | Elbow complex for top mount antenna being used for repacked stations. See Exhibit 15. | N/A | N/A |
| New combiner, | \$84,200.00 | \$91,500.00 | Constant impedance | N/A | N/A |

cost per
channel
(without
antenna)

waveguide
modules, and
/or dual
chains of 4
directional
filter modules
per Dielectric
layout.
Eliminates
need for
transmitter
mask filter.
See Exhibit
15.

| | | | | | |
|--|----------------|----------------|---|----------------|-----|
| Sweep test of existing antenna | \$6,730.00 | \$5,000.00 | N/A | N/A | N/A |
| UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized | \$1,090,000.00 | \$126,250.00 | TUM-AP-O4- 14/56H-2-T Top Mount 14 bay Broadband antenna, with 56 elements total, required to accommodate the new repack frequencies. This antenna will be a four- sided assembly mast. See Exhibit 15. | N/A | N/A |
| Sub-total | \$1,407,797.00 | \$475,787.00 | N/A | \$125,567.00 | N/A |
| Total for all systems | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |

Components

Actual Information
Description

File Name

Combiner Installation

| | |
|--|---|
| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Combiner Installation, Exhibit 6, 3-C-2.</p> <p>Amount:</p> <p>\$1,750.00</p> |
| | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Combiner Installation, Exhibit 6, 3-C-2.</p> <p>Amount:</p> <p>\$3,500.00</p> |
| UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Antenna, Exhibit 6, 3-B.</p> <p>Amount:</p> <p>\$41,611.50</p> <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Antenna, Exhibit 6, 3-B.</p> <p>Amount:</p> <p>\$20,805.50</p> |
| Sweep test of existing | |

antenna

Component Description:

Invoice is 25%
Down Payment for
\$115,297.75 ATC
total estimated
cost. (See Exhibit
6). This amount is
25% of Sweep
Line/Antenna,
Exhibit 6, 3-C-1.

Amount: \$750.00

Component Description:

Invoice is 50%
Down Payment for
\$230,591.50 ATC
total estimated
cost. (See Exhibit
6). This amount is
50% of Sweep
Line/Antenna,
Exhibit 6, 3-C-1.

Amount: \$1,500.00

New combiner, cost per
channel (without antenna)

Component Description:

Invoice is 50%
Down Payment for
\$230,591.50 ATC
total estimated
cost. (See Exhibit
6). This amount is
50% of Interim
Combiner, Exhibit
6, 3-C-1

Amount: \$33,500.00

Component Description:

Invoice is 25%
Down Payment for
\$115,297.75 ATC
total estimated
cost. (See Exhibit
6). This amount is
25% of Interim
Combiner, Exhibit
6, 3-C-1.

Amount: \$16,750.00

| | | |
|--|--------------------------------------|---|
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | <p>Component Description:</p> | <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Elbow Complex, Exhibit 6, 3-C-2.</p> |
| | <p>Amount:</p> | <p>\$3,600.00</p> |
| | <p>Component Description:</p> | <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Elbow Complex, Exhibit 6, 3-C-2.</p> |
| | <p>Amount:</p> | <p>\$1,800.00</p> |
| Install Combiner | Information not provided. | |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed) | Information not provided. | |
| New combiner, cost per channel (without antenna) | Information not provided. | |
| Sweep test of existing antenna | Information not provided. | |
| UHF - High Power Top Mount (200-1000 kW), Four Station broadband panel antenna, elliptically or circularly polarized | Information not provided. | |

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 | \$1,000,500.00 | \$87,900.00 | | \$48,281.50 | |
| Rigid Transmission Line - copper, 8 3/16" broadband | \$997,500.00 | \$84,900.00 | Material cost for two (2) 83/16" Broadband rigid transmission lines, six (6) elbows (3 each line) and a nitrogen generator for pressurization control on the dual lines. Cost shared with other stations. See Exhibit 16. | \$48,281.50 | N/A |
| Nitrogen Generator | <i>\$3,000.00</i> | \$3,000.00 | Nitrogen Generator Upgrade. See Exhibit 16, Line 1-B-1. | N/A | N/A |
| Primary Transmission Line | \$3,000.00 | \$3,000.00 | | \$0.00 | |
| Nitrogen Generator | <i>\$3,000.00</i> | \$3,000.00 | Nitrogen Generator Upgrade. See Exhibit 15, Line 1-B-1. | N/A | N/A |
| Sub-total | \$1,003,500.00 | \$90,900.00 | N/A | \$48,281.50 | N/A |

| | | | | | |
|------------------------------|----------------|----------------|-----|----------------|-----|
| Total for all systems | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

Components

| Actual Information | |
|---|---|
| Description | File Name |
| Rigid Transmission Line - copper, 8 3/16" broadband | <p>Component Description: Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Interim Transmission Line, Exhibit 6, 3-A.</p> <p>Amount: \$16,094.00</p> <p>Component Description: Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Interim Transmission Line, Exhibit 6, 3-A.</p> <p>Amount: \$32,187.50</p> |
| Nitrogen Generator | Information not provided. |
| Nitrogen Generator | 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 |
|-------------------------------|-----------------------------|---------------------|--|--------------------|---------------------------|
| Auxiliary Tower GTOWER | \$661,600.00 | \$147,780.00 | | \$43,200.00 | |
| Interim Tower Rent | <i>\$57,600.00</i> | \$57,600.00 | Interim Tower Rent - For Market Repack Period. See Exhibit 6, 1-B-1. | \$43,200.00 | N/A |
| Tower Permit Packages | <i>\$9,400.00</i> | \$9,400.00 | Prepare tower, building, and ground drawings for local permits and approvals. Required to support required modifications needed for repack. See Exhibit 6. | N/A | N/A |
| Construction Management | <i>\$3,000.00</i> | \$3,000.00 | (9) hours on Modification project management and (15) hours for RF installation project management for a total of twenty (20) days. See Exhibit 6. | N/A | N/A |
| Complex Tower | \$421,000.00 | \$55,900.00 | This candelabra is | N/A | N/A |

(includes, for example, those with candelabras and/or stacked antennas)

classified as complex structure. The cost includes the installation of the new antenna, two transmission lines and tower brackets for additional transmission lines. See Exhibit 16.

| | | | | | |
|---|---------------------|---------------------|---|--------------------|-----|
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$4,380.00 | Mapping and Rigorous Structural analysis to access the structural capacity and modifications needed to accommodate the repacked equipment. See Exhibit 16. | N/A | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$17,500.00 | It is expected that the additional loads imposed on the tower by new repack equipment will cause the tower to fail. Minor reinforcement is necessary. See Exhibit 16. | N/A | N/A |
| Primary Tower GTOWER | \$606,250.00 | \$122,660.00 | | \$62,126.25 | |
| Tower Permit Packages | \$9,400.00 | \$9,400.00 | Construction drawing packages for | \$7,050.00 | N/A |

| | | | | | |
|---|--------------|-------------|--|-------------|-----|
| | | | tower and ground construction. Required for local permits. See Exhibit 5. | | |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00 | \$74,250.00 | This tower has stacked antennas and is classified as a complex structure. The cost includes the installation of the new antenna, refurbishing of two (2) transmission Lines, any required transmission brackets. See Exhibit 15. | \$42,000.00 | N/A |
| Structural engineering tower load study for well documented tower | \$12,600.00 | \$8,760.00 | Structural tower mapping to ensure the proper structural information is relayed to engineering for proposed repack equipment. Rigorous Structural analysis to access the structural capacity and modifications needed. See Exhibit 15 3-A-1. | \$3,326.25 | N/A |
| Minor tower reinforcement /modifications | \$158,000.00 | \$25,000.00 | It is expected that the additional | \$7,500.00 | N/A |

loads imposed on the tower by the new appurtenances required for the repack project will cause the tower to fail. The structural failure is expected to be in the minor category. See Exhibit 5.

| | | | | | |
|------------------------------|-------------------|----------------|---|----------------|-----|
| Tower Project Management | \$5,250.00 | \$5,250.00 | (44) hours on tower modification project management and RF installation project management. See Exhibit 15. | \$2,250.00 | N/A |
| Sub-total | \$1,267,850.00 | \$270,440.00 | N/A | \$105,326.25 | N/A |
| Total for all systems | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |

Components

| Actual Information | |
|--------------------|--|
| Description | File Name |
| Interim Tower Rent | <p>Component Description: Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower Rent, Exhibit 6, 1-B-1.</p> <p>Amount: \$14,400.00</p> |

| | |
|---|---|
| | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Rent, Exhibit 6, 1-B-1.</p> <p>Amount:</p> <p>\$28,800.00</p> |
| Tower Permit Packages | Information not provided. |
| Construction Management | Information not provided. |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | Information not provided. |
| Structural engineering tower load study for well documented tower | Information not provided. |
| Minor tower reinforcement /modifications | Information not provided. |
| Tower Permit Packages | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower and Building Permits, Exhibit 6, 3-D-1.</p> <p>Amount:</p> <p>\$4,700.00</p> |

| | |
|---|---|
| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower and Building Permits, Exhibit 6, 3-D-1.</p> <p>Amount:</p> <p>\$2,350.00</p> |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of pro-rata Tower Rigging, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$14,000.00</p> <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of pro-rata Tower Rigging, Exhibit 6, 3-C-1.</p> <p>Amount:</p> <p>\$28,000.00</p> |
| Structural engineering tower load study for well documented tower | |

| | | | | | | | | | |
|--|---|-------------------------------|---|----------------|------------|-------------------------------|---|----------------|------------|
| | <table> <tr> <td data-bbox="707 159 1015 192">Component Description:</td><td data-bbox="1147 159 1374 667">Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (25% of \$2480 plus \$1,955).</td></tr> <tr> <td data-bbox="707 678 815 712">Amount:</td><td data-bbox="1147 678 1267 712">\$1,108.75</td></tr> <tr> <td data-bbox="707 819 1015 853">Component Description:</td><td data-bbox="1147 819 1374 1328">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (50% of \$2480 plus \$1,955).</td></tr> <tr> <td data-bbox="707 1339 815 1373">Amount:</td><td data-bbox="1147 1339 1267 1373">\$2,217.50</td></tr> </table> | Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (25% of \$2480 plus \$1,955). | Amount: | \$1,108.75 | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (50% of \$2480 plus \$1,955). | Amount: | \$2,217.50 |
| Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (25% of \$2480 plus \$1,955). | | | | | | | | |
| Amount: | \$1,108.75 | | | | | | | | |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Mapping PLUS Tower Structural Engineering. See Exhibit 6, 3-A-1 (50% of \$2480 plus \$1,955). | | | | | | | | |
| Amount: | \$2,217.50 | | | | | | | | |
| Minor tower reinforcement /modifications | <table> <tr> <td data-bbox="707 1509 1015 1543">Component Description:</td><td data-bbox="1147 1509 1366 1861">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Reinforcement, Exhibit 6, 3-A-2.</td></tr> <tr> <td data-bbox="707 1872 815 1906">Amount:</td><td data-bbox="1147 1872 1267 1906">\$5,000.00</td></tr> </table> | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Reinforcement, Exhibit 6, 3-A-2. | Amount: | \$5,000.00 | | | | |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower Reinforcement, Exhibit 6, 3-A-2. | | | | | | | | |
| Amount: | \$5,000.00 | | | | | | | | |

| | |
|--------------------------|---|
| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower Reinforcement, Exhibit 6, 3-A-2.</p> <p>Amount:</p> <p>\$2,500.00</p> |
| Tower Project Management | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Construction Project Management, Exhibit 6, 3-D-1.</p> <p>Amount:</p> <p>\$1,500.00</p> <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Construction Project Management, Exhibit 6, 3-D-1.</p> <p>Amount:</p> <p>\$750.00</p> |

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 | \$69,985.00 | \$69,000.00 | | \$18,172.50 | |
| RF System Test | <i>\$8,000.00</i> | \$8,000.00 | Testing of the combiner to ensure one frequency is tuned for optimal patterns. See Exhibits 5 and 6. | \$1,875.00 | N/A |
| LocalPermits | <i>\$1,500.00</i> | \$1,500.00 | Prepare and submit applications for electrical, building and other required permits required for installation of repack equipment. See Exhibits 5 and 6. | \$562.50 | N/A |
| Attorney Fees - Negotiation of lease and other matters for shared locations | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |

| | | | | | |
|--|----------------|----------------|---|----------------|-----|
| Prepare request for Special Temporary Authorization | \$2,050.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00 | \$3,000.00 | N/A | \$3,000.00 | N/A |
| Perform engineering study for new channel assignment and antenna development | \$7,360.00 | \$7,000.00 | N/A | \$3,750.00 | N/A |
| Project management of the transition | \$39,500.00 | \$37,500.00 | Company lacks internal resources. | \$7,110.00 | N/A |
| Address transition timing and coordination issues w/ other stations and wireless | \$2,630.00 | \$5,000.00 | Transition timing is necessary at two sites. See quotes provided as Exhibits 5 and 6. | \$1,875.00 | N/A |
| Sub-total | \$69,985.00 | \$69,000.00 | N/A | \$18,172.50 | N/A |
| Total for all systems | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |

Components

| Actual Information Description | File Name |
|-----------------------------------|--|
| RF System Test | <div> <div>Component Description:</div> <div>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of RF System Test, Exhibit 6, 1- B-1.</div> </div> <div> <div>Amount:</div> <div>\$1,250.00</div> </div> |
| | <div> <div>Component Description:</div> <div>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of RF System Test, Exhibit 6, 1- B-1.</div> </div> <div> <div>Amount:</div> <div>\$625.00</div> </div> |
| LocalPermits | <div> <div>Component Description:</div> <div>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Building Permits, Exhibit 6, 1-A-3.</div> </div> <div> <div>Amount:</div> <div>\$375.00</div> </div> |
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| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Building Permits, Exhibit 6, 1-A-3.</p> <p>Amount:</p> <p>\$187.50</p> |
| Attorney Fees - Negotiation of lease and other matters for shared locations | Information not provided. |
| Prepare request for Special Temporary Authorization | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application | Information not provided. |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p>Component Description:</p> <p>Coordinate "work around" to solve concerns regarding Canadian coordination.</p> <p>Amount:</p> <p>\$550.00</p> <p>Component Description:</p> <p>Preliminary Engineering and CP Application, Engineering Section.</p> <p>Amount:</p> <p>\$2,450.00</p> |
| Perform engineering study for new channel assignment and antenna development | |

| | | | | | | | | | |
|--------------------------------------|--|-------------------------------|--|----------------|------------|-------------------------------|--|----------------|------------|
| | <table> <tr> <td data-bbox="699 87 1141 593">Component Description:</td><td data-bbox="1141 87 1426 593">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Engineering Antenna Development, Exhibit 6, 1-A-2.</td></tr> <tr> <td data-bbox="699 593 1141 705">Amount:</td><td data-bbox="1141 593 1426 705">\$2,500.00</td></tr> <tr> <td data-bbox="699 705 1141 1265">Component Description:</td><td data-bbox="1141 705 1426 1265">Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Engineering Antenna Development, Exhibit 6, 1-A-2.</td></tr> <tr> <td data-bbox="699 1265 1141 1332">Amount:</td><td data-bbox="1141 1265 1426 1332">\$1,250.00</td></tr> </table> | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Engineering Antenna Development, Exhibit 6, 1-A-2. | Amount: | \$2,500.00 | Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Engineering Antenna Development, Exhibit 6, 1-A-2. | Amount: | \$1,250.00 |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Engineering Antenna Development, Exhibit 6, 1-A-2. | | | | | | | | |
| Amount: | \$2,500.00 | | | | | | | | |
| Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Engineering Antenna Development, Exhibit 6, 1-A-2. | | | | | | | | |
| Amount: | \$1,250.00 | | | | | | | | |
| Project management of the transition | <table> <tr> <td data-bbox="699 1265 1141 1736">Component Description:</td><td data-bbox="1141 1265 1426 1736">Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Outside Project Management, Exhibit 6, 1-A-1.</td></tr> <tr> <td data-bbox="699 1736 1141 2134">Amount:</td><td data-bbox="1141 1736 1426 2134">\$4,740.00</td></tr> </table> | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Outside Project Management, Exhibit 6, 1-A-1. | Amount: | \$4,740.00 | | | | |
| Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Outside Project Management, Exhibit 6, 1-A-1. | | | | | | | | |
| Amount: | \$4,740.00 | | | | | | | | |

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|--|---|
| | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Outside Project Management, Exhibit 6, 1-A-1.</p> <p>Amount:</p> <p>\$2,370.00</p> |
| Address transition timing and coordination issues w/ other stations and wireless | <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Address Transition Timing, Exhibit 6, 1-A-1.</p> <p>Amount:</p> <p>\$625.00</p> <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Address Transition Timing, Exhibit 6, 1-A-1.</p> <p>Amount:</p> <p>\$1,250.00</p> |

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 | \$104,993.90 | \$97,688.90 | | \$15,661.10 | |
| Public Hearing | <i>\$440.00</i> | \$440.00 | Public hearing cost (See Exhibit 6.) | \$300.00 | N/A |
| Ice Shield for HVAC | <i>\$4,000.00</i> | \$4,000.00 | Ice protection for HVAC compressor split units placed in close proximity of tower in areas prone to ice and snow. (See Exhibit 6) | N/A | N/A |
| Building Partition | <i>\$1,800.00</i> | \$1,800.00 | This cost is to provide permitting for building partition and electrical service installation in the shared space. This install is to provide security for broadcasters and sufficient power for transmitters. (See Exhibit 6.) | N/A | N/A |
| Asbestos | <i>\$1,800.00</i> | \$1,800.00 | Asbestos | \$1,350.00 | N/A |

| | | | | | |
|----------------------------|--------------------|-------------|---|------------|-----|
| and Lead Paint Testing | | | testing, removal and abatement for walls which could contain lead paint and/or the flooring may contain asbestos, because of the age of the facility and the era when the original construction took place. (See Exhibit 6.) | | |
| Disconnect Transmitters | \$37,908.90 | \$37,908.90 | Disconnect and Remove to Staging Area the WBZ-TV Main and Auxiliary Transmitters. See Exhibit 3 Item F and Exhibit 9 Item F. | \$4,811.10 | N/A |
| Site Security | \$3,600.00 | \$3,600.00 | Site security for installation and storage of Transmission line and materials for 30 days X 12 hours. These materials are a high risk of theft due to the material makeup such as copper, brass and | \$2,700.00 | N/A |

| | | | | | |
|---|--------------------|----------------|--|----------------|-----|
| | | | aluminum. (See Exhibit 6.) | | |
| MVPD Notification of Channel Change | \$1,000.00 | \$1,000.00 | N/A | N/A | N/A |
| Equipment Delivery and Handling Charges | \$39,200.00 | \$39,200.00 | Delivery of three transmitter and tower equipment required for repack. See Exhibits 3, 8, 9, and 15. | \$2,250.00 | N/A |
| DTV Medical Facility Notification | \$11,550.00 | \$4,250.00 | See Exhibit 7. (Note: Corrected cost typo March 21, 2019) | \$4,250.00 | N/A |
| FCC Filing Fees - Special Temporary Authorization request | \$195.00 | \$190.00 | N/A | N/A | N/A |
| Non-zoning permits | \$1,500.00 | \$1,500.00 | Per estimates. See Exhibits 5 and 6. | N/A | N/A |
| Site Coordination Meeting | \$2,000.00 | \$2,000.00 | Site coordination meeting with other broadcasters, contractors, vendors, and tower landlord. See Exhibit 15. | N/A | N/A |
| Sub-total | \$104,993.90 | \$97,688.90 | N/A | \$15,661.10 | N/A |
| Total for all | \$7,610,009.48 | \$4,307,167.18 | N/A | \$2,952,760.77 | N/A |

Components

| Actual Information | |
|---------------------------------|--|
| Description | File Name |
| Public Hearing | Component Description: Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Public Hearing, Exhibit 6, 1-B-1. |
| | Amount: \$200.00 |
| | Component Description: Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Public Hearing, Exhibit 6, 1-B-1. |
| | Amount: \$100.00 |
| Ice Shield for HVAC | Information not provided. |
| Building Partition | Information not provided. |
| Asbestos and Lead Paint Testing | Component Description: Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Asbestos and Lead Paint Testing, Exhibit 6, 1-B-1. |
| | Amount: \$450.00 |

| | |
|-------------------------------------|---|
| | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Asbestos and Lead Paint Testing, Exhibit 6, 1-B-1.</p> <p>Amount:</p> <p>\$900.00</p> |
| Disconnect Transmitters | <p>Component Description:</p> <p>Invoice is split among three cost categories. See Exhibit 24.</p> <p>Amount:</p> <p>\$4,811.10</p> |
| Site Security | <p>Component Description:</p> <p>Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Site Security, Exhibit 6, 1-B-1.</p> <p>Amount:</p> <p>\$1,800.00</p> <p>Component Description:</p> <p>Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Site Security, Exhibit 6, 1-B-1.</p> <p>Amount:</p> <p>\$900.00</p> |
| MVPD Notification of Channel Change | Information not provided. |

| | | |
|---|-------------------------------|---|
| Equipment Delivery and Handling Charges | Component Description: | Invoice is 50% Down Payment for \$230,591.50 ATC total estimated cost. (See Exhibit 6). This amount is 50% of Tower equipment and delivery, Exhibit 6, 1-A-4. |
| | Amount: | \$1,500.00 |
| | Component Description: | Invoice is 25% Down Payment for \$115,297.75 ATC total estimated cost. (See Exhibit 6). This amount is 25% of Tower equipment and delivery, Exhibit 6, 1-A-4. |
| | Amount: | \$750.00 |
| DTV Medical Facility Notification | Component Description: | Health Care Notification. See quote in Exhibit 7. |
| | Amount: | \$4,250.00 |
| FCC Filing Fees - Special Temporary Authorization request | Information not provided. | |
| Non-zoning permits | Information not provided. | |
| Site Coordination Meeting | Information not provided. | |

| Cost Information | Grand Total | | | |
|------------------|-----------------------|-----------------------------|----------------|----------------|
| | | Predetermined Cost Estimate | Estimated Cost | Actual Cost |
| | Total for all systems | \$7,610,009.48 | \$4,307,167.18 | \$2,952,760.77 |

| 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.
8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.

Andrew J Siegel
Assistant Secretary

06/04/2019

| Certification | Section | Question | Response |
|---------------|--|---|----------|
| | Submission of Actual Cost Documentation Statements | WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR 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). | |
| | | <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.
8. The above-named entity acknowledges that overpayments or payments in error

| | | |
|--|--|---|
| | <p>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>Andrew J Siegel <i>Assistant Secretary</i></p> <p>06/04/2019</p> |

Attachments