



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **65684** | Service: **DTV** | Call **WCVB-TV** | Channel: **33 (UHF)** |  
ID: | Sign:  
File **0000026707**  
Number:  
FRN: **0001587583** | Date **07/13**  
Submitted: **/2017**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant                   | Address                                                                                                                                     | Phone                    | Email                          | Applicant Type |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------|----------------|
| <b>Hearst Stations Inc.</b> | Corporation<br>150<br>Doing Business As: Fayetteville<br>Hearst Stations Inc. Street<br>Suite 1700<br>Raleigh, NC<br>27601<br>United States | +1 (919)<br>839-<br>0300 | shartzell@brookspierce.<br>com | Corporation    |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant                                          | Address | Phone | Email |
|----------------------------------------------------|---------|-------|-------|
| The Preparer is same as the reimbursement contact. |         |       |       |

## Broadcaster Information and Transition Plan

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

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

## Transmitters

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

## Auxiliary Transmitter

### Existing Transmitter Information

| Section                                    | Question                                                   | Response           |
|--------------------------------------------|------------------------------------------------------------|--------------------|
| Existing Transmitter Description           | Type of change                                             | Retune Existing    |
|                                            | Use                                                        | Auxiliary (Backup) |
|                                            | Ownership                                                  | Owned              |
|                                            | Owner                                                      | 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                                               | Harris             |
|                                            | Model                                                      | Maxiva UAX-2000AT  |
|                                            | Year                                                       | 2013               |
|                                            | Type                                                       | Solid State        |

|  |                            |            |
|--|----------------------------|------------|
|  | Solid State Cooling        | Air Cooled |
|  | Solid State Power capacity | 2.5 kW     |

## Auxiliary Transmitter

### Retuning Transmitter Costs

| Section         | Question                                       | Response |
|-----------------|------------------------------------------------|----------|
| New IOT Tubes   | Number of Tubes (including accessories) needed | N/A      |
| New Mask Filter | Power                                          | 3 kW     |
|                 | Other Power                                    | N/A      |
| New Exciter     | Is a new exciter needed?                       | No       |

## 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                               | No       |
|                    | Description                                            | N/A      |
| HVAC Service       | Does the replacement transmitter require HVAC Service? | No       |
|                    | Type                                                   | N/A      |
|                    | Size                                                   | N/A      |
|                    | Other Size                                             | N/A      |

|                                                                            |                                                                                               |     |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----|
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No  |
|                                                                            | Size                                                                                          | N/A |
| <b>Channel 14 Costs</b>                                                    | Is an RF Consulting Engineer needed?                                                          | N/A |
|                                                                            | Is a channel 14 Mask Filer needed?                                                            | N/A |
|                                                                            | Is additional field engineering time needed?                                                  | N/A |
|                                                                            | Number of Days                                                                                | N/A |

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| Section                                    | Question                                                   | Response                 |
|--------------------------------------------|------------------------------------------------------------|--------------------------|
| Existing Transmitter Description           | Type of change                                             | Purchase<br>New          |
|                                            | Use                                                        | Primary<br>(Main)        |
|                                            | Description of Use                                         | N/A                      |
|                                            | Ownership                                                  | Owned                    |
|                                            | Owner                                                      | N/A                      |
|                                            | Site                                                       | N/A                      |
|                                            | Is this transmitter currently shared with another station? | No                       |
|                                            | Is this transmitter currently in operating condition?      | Yes                      |
| Existing Transmitter Manufacturer and Type | Manufacturer                                               |                          |
|                                            | Model                                                      | Sigma<br>CD2200P2        |
|                                            | Year                                                       | 1998                     |
|                                            | Type                                                       | Inductive<br>Output Tube |
|                                            | IOT Power Type                                             | Two                      |
|                                            | Power Capacity                                             | 50 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-90                                                                                                                                                                                                                                                     |
|                 | Transmitter Type                          | Solid State                                                                                                                                                                                                                                                  |
|                 | Solid State Cooling                       | Liquid Cooled                                                                                                                                                                                                                                                |
|                 | Solid State Power capacity                | 56.4 kW                                                                                                                                                                                                                                                      |
|                 | Justification for New Transmitter         | Existing IOT transmitter cannot be converted to post-transition channel, see GatesAir EOL and HTV IOT to Solid-State Justification statements. An IOT replacement is more expensive than proposed SS transmitter. See attached Comark IOT Transmitter quote. |

**Primary  
Transmitter**

**Other Transmitter Costs**

| Section                                                                            | Question                                                                                      | Response                                             |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Electrical Service</b>                                                          | Service Entrance (3 phases 800A 208V)                                                         | No                                                   |
|                                                                                    | Switchgear (industrial 800 amp)                                                               | No                                                   |
|                                                                                    | Transformer (480V)                                                                            | Yes                                                  |
|                                                                                    | Power                                                                                         | 300 kVA                                              |
|                                                                                    | Rigid Conduit and Wiring                                                                      | No                                                   |
|                                                                                    | Size                                                                                          | N/A                                                  |
|                                                                                    | Length                                                                                        | N/A                                                  |
|                                                                                    | Other Electrical Service                                                                      | Yes                                                  |
|                                                                                    | Description                                                                                   | transmitter<br>installation<br>electrical<br>service |
| <b>HVAC Service</b>                                                                | Does the replacement transmitter require HVAC Service?                                        | No                                                   |
|                                                                                    | Type                                                                                          | N/A                                                  |
|                                                                                    | Size                                                                                          | N/A                                                  |
|                                                                                    | Other Size                                                                                    | N/A                                                  |
| <b>Transmitter Building<br/>Addition/Modification or<br/>Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No                                                   |
|                                                                                    | Size                                                                                          | N/A                                                  |
| <b>Channel 14 Costs</b>                                                            | Is an RF Consulting Engineer needed?                                                          | N/A                                                  |
|                                                                                    | Is a channel 14 Mask Filer needed?                                                            | N/A                                                  |
|                                                                                    | Is additional field engineering time needed?                                                  | N/A                                                  |
|                                                                                    | Number of Days                                                                                | N/A                                                  |

Primary Transmitter

Other Transmitter Cost Not Listed

| Name                     | Description                                                                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sales Tax                | transmitter sales tax                                                                                                       |
| Transmitter de-install   | remove old transmitter                                                                                                      |
| Shipping                 | transmitter shipping                                                                                                        |
| Electrical Accessories   | manufacturer required surge protection                                                                                      |
| Additional RF components | Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote. |



**Interim  
Transmitter**

**New Transmitter Costs**

| Section         | Question                          | Response                                                             |
|-----------------|-----------------------------------|----------------------------------------------------------------------|
| New Transmitter | Use                               | Interim                                                              |
|                 | Description of Use                | N/A                                                                  |
|                 | Change Type                       | Purchase                                                             |
|                 | Manufacturer                      |                                                                      |
|                 | Model                             | ULXTE-90                                                             |
|                 | Transmitter Type                  | Solid State                                                          |
|                 | Solid State Cooling               | Liquid Cooled                                                        |
|                 | Solid State Power capacity        | 56.4 kW                                                              |
|                 | Justification for New Transmitter | transmitter needed to make the transition to post-transition channel |

**Interim  
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                                 | 300 kVA  |
|                    | Rigid Conduit and Wiring              | No       |
|                    | Size                                  | N/A      |
|                    | Length                                | N/A      |
|                    | Other Electrical Service              | Yes      |
|                    |                                       |          |

|                                                                            |                                                                                               |                                                      |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------|
|                                                                            | Description                                                                                   | transmitter<br>installation<br>electrical<br>service |
| <b>HVAC Service</b>                                                        | Does the replacement transmitter require HVAC Service?                                        | Yes                                                  |
|                                                                            | Type                                                                                          | Heating<br>and Cooling                               |
|                                                                            | Size                                                                                          | 20 tons                                              |
|                                                                            | Other Size                                                                                    | N/A                                                  |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | No                                                   |
|                                                                            | Size                                                                                          | N/A                                                  |
| <b>Channel 14 Costs</b>                                                    | Is an RF Consulting Engineer needed?                                                          | N/A                                                  |
|                                                                            | Is a channel 14 Mask Filer needed?                                                            | N/A                                                  |
|                                                                            | Is additional field engineering time needed?                                                  | N/A                                                  |
|                                                                            | Number of Days                                                                                | N/A                                                  |
| <b>Inside RF System</b>                                                    | Is an additional interior RF system required to support this interim transmitter?             | No                                                   |

**Interim  
Transmitter**

**Other Transmitter Cost Not Listed**

| Name                            |  | Description                                                                                                                 |
|---------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Additional RF components</b> |  | Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote. |
| <b>Electrical Accessories</b>   |  | manufacturer required surge protection                                                                                      |
| <b>Sales Tax</b>                |  | transmitter sales tax                                                                                                       |
| <b>Shipping</b>                 |  | transmitter shipping                                                                                                        |

**Antennas**

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

**Auxiliary  
Antenna****Existing Antenna Information**

| Section                                   | Question                                                         | Response                     |
|-------------------------------------------|------------------------------------------------------------------|------------------------------|
| Existing Antenna<br>Description           | Type of change                                                   | Retune<br>Existing           |
|                                           | Antenna Use                                                      | Auxiliary<br>(Backup)        |
|                                           | Description of Use                                               | backup to<br>main<br>antenna |
|                                           | Ownership                                                        | Owned                        |
|                                           | Owner                                                            | N/A                          |
|                                           | Site                                                             | N/A                          |
|                                           | Is the existing antenna shared with another station or stations? | No                           |
|                                           | Is the existing antenna directional?                             | Yes                          |
|                                           | Is antenna in operating condition?                               | Yes                          |
|                                           | Is antenna located on or in close proximity to an antenna farm?  | No                           |
| Existing Antenna<br>Manufacturer and Type | Class                                                            | Full Power                   |
|                                           | Mounting                                                         | Side Mount                   |
|                                           | Antenna position in stack                                        | Not in Stack                 |
|                                           | Polarization                                                     | Horizontal                   |
|                                           | Type                                                             | Slotted<br>Coaxial           |
|                                           | Number of Stations Supported                                     | N/A                          |
|                                           | Number of Panels                                                 | N/A                          |
|                                           | Design power capacity in use                                     | N/A                          |

|                                          |                |
|------------------------------------------|----------------|
| Lower Limit                              | N/A            |
| Upper Limit                              | N/A            |
| Other Antenna Type                       | N/A            |
| ERP: (Effective Radiated Power)<br>..... | 200.0 kW       |
| Manufacturer                             | Dielectric     |
| Model                                    | TLP-16M<br>(C) |
| Year                                     | 2013           |

### Auxiliary Antenna

#### Adjustment to Existing Antenna

| Section                        | Question                                      | Response |
|--------------------------------|-----------------------------------------------|----------|
| Sweep Test of Existing Antenna | Do you need a sweep test of existing antenna? | Yes      |

### Auxiliary 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                                    |          |

### Auxiliary Antenna

#### Other Antenna Cost Not Listed

Information not provided.

**Primary  
Antenna**

**Existing Antenna Information**

| Section                                           | Question                                                         | Response                |
|---------------------------------------------------|------------------------------------------------------------------|-------------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change                                                   | Lease New               |
|                                                   | Antenna Use                                                      | Primary<br>(Main)       |
|                                                   | Description of Use                                               | N/A                     |
|                                                   | Ownership                                                        | Leased                  |
|                                                   | Owner                                                            | American<br>Tower Corp. |
|                                                   | 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                      |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class                                                            | Full Power              |
|                                                   | Mounting                                                         | Top Mount               |
|                                                   | Antenna position in stack                                        | Top                     |
|                                                   | Polarization                                                     | Horizontal              |
|                                                   | Type                                                             | Broadband<br>Panel      |
|                                                   | Number of Stations Supported                                     | 4                       |
|                                                   | Number of Panels                                                 | 60                      |
|                                                   | Design power capacity in use                                     | 87.1 %                  |
|                                                   | Lower Limit                                                      | 500.00 MHz              |
|                                                   | Upper Limit                                                      | 660.00 MHz              |
|                                                   | Other Antenna Type                                               | N/A                     |
|                                                   | ERP: (Effective Radiated Power)<br>.....                         | 625.0 kW                |
|                                                   |                                                                  |                         |

|  |              |               |
|--|--------------|---------------|
|  | Manufacturer |               |
|  | Model        | TAD24UDA-5/60 |
|  | Year         | 1999          |

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

| Facility ID | Call Sign |
|-------------|-----------|
| 25456       | WBZ-TV    |
| 72098       | WGBX-TV   |
| 73982       | WSBK-TV   |

**Primary  
Antenna**

**New Antenna Costs**

| Section                                       | Question                                                             | Response            |
|-----------------------------------------------|----------------------------------------------------------------------|---------------------|
| <b>New Antenna Description</b>                | Use                                                                  | Primary (Main)      |
|                                               | Description of Use                                                   | N/A                 |
|                                               | Change Type                                                          | Lease New           |
|                                               | Is this a request for upgraded equipment?                            | No                  |
|                                               | Ownership                                                            | Leased              |
|                                               | Owner                                                                | American Tower Inc. |
|                                               | Is antenna shared?                                                   | Yes                 |
|                                               | Is antenna directional?                                              | No                  |
|                                               | Will antenna be located on or in close proximity to an antenna farm? | No                  |
| <b>New Antenna<br/>Manufacturer and Types</b> | 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                                                | 14                  |
|                                               | Lower Limit                                                          | 480.00 MHz          |
|                                               | Upper Limit                                                          | 698.00 MHz          |
|                                               | Design power capacity in use                                         | 80.0 %              |
|                                               | Other Antenna Type                                                   | N/A                 |
|                                               | ERP: (Effective Radiated Power)<br>.....                             | 907.0 kW            |
|                                               | Manufacturer                                                         |                     |
|                                               |                                                                      |                     |

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Model                         | TUM-AP-O4-14/56H-2-T                        |
| Year                          | 2018                                        |
| Justification for New Antenna | no justification provided by American Tower |

## Primary Antenna

### Other Antenna Costs

| Section                            | Question                                                                                                    | Response             |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?                                                                | Yes                  |
|                                    | Type                                                                                                        | New                  |
|                                    | Number of channels supported                                                                                | 4                    |
|                                    | Frequencies of channels supported                                                                           | RF channel           |
|                                    | Frequency                                                                                                   | N/A                  |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No                   |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?                                                  | Yes                  |
|                                    | Broadband or Single Channel?                                                                                | Broadband            |
|                                    | Feed Line Size                                                                                              | 8 3/16 inches inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No                   |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                   |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?                                          | Yes                  |



**Enter a list of RF channel numbers.**

| RF Channel Number |
|-------------------|
| 20                |
| 21                |
| 32                |
| 33                |

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

| Name                  | Description                                |
|-----------------------|--------------------------------------------|
| Combiner Installation | WCVB portion of combiner installation cost |

**Interim  
Antenna**

**New Antenna Costs**

| Section                                      | Question                                                             | Response             |
|----------------------------------------------|----------------------------------------------------------------------|----------------------|
| <b>New Antenna Description</b>               | Use                                                                  | Interim              |
|                                              | Description of Use                                                   | N/A                  |
|                                              | Change Type                                                          | Lease New            |
|                                              | Ownership                                                            | Leased               |
|                                              | Owner                                                                | American Tower Inc   |
|                                              | Is antenna shared?                                                   | Yes                  |
|                                              | Is antenna directional?                                              | No                   |
|                                              | Will antenna be located on or in close proximity to an antenna farm? | No                   |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class                                                                | Full Power           |
|                                              | Mounting                                                             | Top Mount            |
|                                              | Antenna position in stack                                            | Not in Stack         |
|                                              | Polarization                                                         | Elliptical           |
|                                              | Type                                                                 | Broadband Panel      |
|                                              | Number of Stations Supported                                         | 5                    |
|                                              | Number of Panels/Bays                                                | 14                   |
|                                              | Lower Limit                                                          | 480.00 MHz           |
|                                              | Upper Limit                                                          | 698.00 MHz           |
|                                              | Design power capacity in use                                         | 85.0 %               |
|                                              | Other Antenna Type                                                   | N/A                  |
|                                              | ERP: (Effective Radiated Power)<br>.....                             | 907.0 kW             |
|                                              | Manufacturer                                                         |                      |
|                                              | Model                                                                | TUM-AP-O4-14/56H-2-T |
|                                              |                                                                      |                      |

|  |                               |                                              |
|--|-------------------------------|----------------------------------------------|
|  | Year                          | 2018                                         |
|  | Justification for New Antenna | required for move to post-transition channel |

## Interim Antenna

### Other Antenna Costs

| Section                            | Question                                                                                                    | Response      |
|------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------|
| <b>Combiner for Shared Antenna</b> | Do you need a Combiner for a Shared Antenna?                                                                | Yes           |
|                                    | Type                                                                                                        | New           |
|                                    | Number of channels supported                                                                                | 5             |
|                                    | Frequencies of channels supported                                                                           | RF channel    |
|                                    | Frequency                                                                                                   | N/A           |
|                                    | Do you need a combiner output splitter /switcher for dual feed lines?                                       | No            |
| <b>Elbow Complex</b>               | Do you require the separate purchase of the Elbow Complex?                                                  | Yes           |
|                                    | Broadband or Single Channel?                                                                                | B             |
|                                    | Feed Line Size                                                                                              | 7 3/16 inches |
| <b>Side Mount Brackets</b>         | Do you require the separate purchase of side mount brackets for an antenna?                                 | No            |
| <b>Pattern Scatter Analysis</b>    | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No            |
| <b>Sweep Test</b>                  | Do you require the sweep testing of transmission line and antenna?                                          | Yes           |

Enter a list of RF channel numbers.

RF Channel Number

|    |
|----|
| 20 |
| 21 |
| 32 |
| 33 |
| 34 |

Interim  
Antenna

Other Antenna Cost Not Listed

| Name                  | Description                                |
|-----------------------|--------------------------------------------|
| Combiner installation | WCVB portion of combiner installation cost |

**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 Corp. |
|                                                  | 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                                                    | 2                    |
|                                                  | Length                                                                     | 1469 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   |
| 25456       | WBZ-TV    |
| 73982       | WSBK-TV   |

**Primary Transmission Line**

**Other Transmission Line Expenses Not Listed**

| Name           | Description                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Line Refurbish | This cost is to refurbish two (2) existing 8-3 /16" transmission lines to be utilized by both the new top mount antenna & side mounted antennas per ATC documentation. |

**Auxiliary Transmission Line**

**Existing Transmission Line**

| Section                                          | Question                                                                   | Response           |
|--------------------------------------------------|----------------------------------------------------------------------------|--------------------|
| Existing Transmission Line Description           | Type of change                                                             | Utilize Existing   |
|                                                  | Use                                                                        | Auxiliary (Backup) |
|                                                  | Description of Use                                                         | Auxiliary /Backup  |
|                                                  | 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                                                               | Myat               |
|                                                  | Type                                                                       | Flexible Air       |
|                                                  | Diameter                                                                   | 3 inches           |

|                         |                     |
|-------------------------|---------------------|
| Other Diameter          | N/A                 |
| Segment Length          | N/A                 |
| Other Segment Length    | N/A                 |
| Number of parallel runs | 1                   |
| Length                  | 616 feet<br>per run |

**Auxiliary Transmission Line**      **Other Transmission Line Expenses Not Listed**  
Information not provided.

**Interim Transmission Line**      **New Transmission Line**

| Section                            | Question                                | Response                           |
|------------------------------------|-----------------------------------------|------------------------------------|
| <b>New Transmission Line Costs</b> | Use                                     | Interim                            |
|                                    | Description of Use                      | N/A                                |
|                                    | Change Type                             | Lease New                          |
|                                    | Type                                    | Rigid                              |
|                                    | Diameter                                | 7 3/16<br>inches                   |
|                                    | Segment Length                          | Broadband                          |
|                                    | Other Segment Length                    |                                    |
|                                    | Number of parallel runs                 | 2                                  |
|                                    | Length                                  | 1250 feet<br>per run               |
|                                    | Justification for New Transmission Line | required for<br>interim<br>antenna |

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

**Auxiliary  
Tower**

**Existing Tower**

| Section                                            | Question                                                | Response           |
|----------------------------------------------------|---------------------------------------------------------|--------------------|
| Existing Tower Description                         | Type of change                                          | Modify Existing    |
|                                                    | Tower Use                                               | Auxiliary (Backup) |
|                                                    | Description of Use                                      | Interim            |
|                                                    | 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                                   | Yes                |
|                                                    | 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                                              | 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 |
|-------------|-----------|---------|
| 73238       | WLVI      | DTV     |
| 9639        | WODS      | FM      |
| 23439       | WBOS      | FM      |
| 26897       | WBMX      | FM      |
| 1901        | WBZ-FM    | FM      |
| 6463        | WFXT      | DTV     |

**Other Types of Users**

| Users  |
|--------|
| W243DC |

**Auxiliary  
Tower**

**Tower Modification Costs**

| Section                     | Question                                                   | Response                                               |
|-----------------------------|------------------------------------------------------------|--------------------------------------------------------|
| <b>Engineering Study</b>    | Please what type of engineering study is required, if any: | Study needed for undocumented /poorly documented tower |
| <b>Tower Reinforcements</b> | 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                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------|
| Ground and Building A-E Permit Drawing Package | The generation of a construction drawing package per attached ATC documentation.         |
| Tower Modification PM                          | Tower modification and RF installation project management per attached ATC documentation |
| Tower Permit Drawing Package                   | The generation of a construction drawing package per attached ATC documentation.         |

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

| Section                                                    | Question                                                | Response                                                                |
|------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Existing Tower<br/>Description</b>                      | Type of change                                          | Modify Existing                                                         |
|                                                            | Tower Use                                               | Primary (Main)                                                          |
|                                                            | Description of Use                                      | N/A                                                                     |
|                                                            | Ownership                                               | Leased                                                                  |
|                                                            | Is this tower consider Complex?                         | No                                                                      |
|                                                            | Is this tower currently shared with any other stations? | Yes                                                                     |
|                                                            | One or more FM, AM or TV radio broadcaster(s)           | Yes                                                                     |
|                                                            | Others Types of Users                                   | Yes                                                                     |
|                                                            | Is tower documented for structural analysis?            | No                                                                      |
|                                                            | Is tower compliant with Rev G?                          | Unknown                                                                 |
| <b>Existing Tower<br/>Structure Registration</b>           | Do you have a tower registration number?                | Yes                                                                     |
|                                                            | ASR Number                                              | 1003433                                                                 |
| <b>Coordinates (NAD83 ( North American Datum of 1983))</b> | 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 -<br>Guyed<br>Structure Used<br>for<br>Communication<br>Purposes |
|                                                            | Tower Owner                                             | American<br>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 |
|-------------|-----------|---------|
| 68241       | WBUR-FM   | FM      |
| 72099       | WGBH-TV   | DTV     |
| 10542       | WKLB-FM   | FM      |
| 72098       | WGBX-TV   | DTV     |
| 73982       | WSBK-TV   | DTV     |
| 25456       | WBZ-TV    | DTV     |
| 18783       | WYDN      | DTV     |

#### Other Types of Users

| Users   |
|---------|
| WBTS-LD |

#### Primary Tower

#### Tower Modification Costs

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

#### Primary Tower

#### Tower Rigging Costs

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

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

| <b>Name</b>                                           | <b>Description</b>                                                                                    |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Tower Permit Drawing Package</b>                   | Tower Permit Drawing Package per attached ATC documentation                                           |
| <b>Ground and Building A-E Permit Drawing Package</b> | The generation of a construction drawing package for one (1) broadcasters /customers.                 |
| <b>Tower Modification PM</b>                          | Modification project management and RF installation project management per attached ATC documentation |

**Outside  
Professional**

| Section                                                           | Question                                                                     | Response                                                                                                                                     |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Services Costs<br/>Outside Project<br/>Management Services</b> | Do you require outside project management services?                          | Yes                                                                                                                                          |
|                                                                   | Number of Hours                                                              | 127                                                                                                                                          |
|                                                                   | Explanation                                                                  | ATC project management fee.<br>Scheduling and management of timelines and schedules occurring during repack. See attached ATC documentation. |
| <b>Outside RF consulting<br/>Engineering Services</b>             | Perform engineering study for new channel assignment and antenna development | Yes                                                                                                                                          |
|                                                                   | Prepare engineering section of Form FCC Construction Permit Application      | Yes                                                                                                                                          |
|                                                                   | For Auxiliary Facility                                                       | Yes                                                                                                                                          |
|                                                                   | For Main Facility                                                            | Yes                                                                                                                                          |
|                                                                   | Prepare engineering section of Form FCC License to Cover Application         | Yes                                                                                                                                          |
|                                                                   | For Auxiliary Facility                                                       | Yes                                                                                                                                          |
|                                                                   | For Main Facility                                                            | Yes                                                                                                                                          |
|                                                                   | Prepare request for Special Temporary Authority                              | Yes                                                                                                                                          |
|                                                                   | Quantity                                                                     | 1                                                                                                                                            |
|                                                                   | Do you have Distributed Transmission System engineering services?            | N/A                                                                                                                                          |
|                                                                   | Critical Facility                                                            | N/A                                                                                                                                          |
|                                                                   | Terrain-Shielded Facility                                                    | N/A                                                                                                                                          |
| <b>Attorney and Other<br/>Outside Consulting</b>                  | Prepare and file Form FCC Construction Permit Application                    | Yes                                                                                                                                          |

|                                      |                                                                                            |     |
|--------------------------------------|--------------------------------------------------------------------------------------------|-----|
| <b>Services</b>                      | For Auxiliary Facility                                                                     | Yes |
|                                      | For Main Facility                                                                          | Yes |
|                                      | Prepare and file Form FCC License to Cover Application                                     | Yes |
|                                      | For Auxiliary Facility                                                                     | Yes |
|                                      | For Main Facility                                                                          | Yes |
|                                      | Prepare request for Special Temporary Authority                                            | Yes |
|                                      | Quantity                                                                                   | 1   |
|                                      | NEPA Section 106 environmental review                                                      | No  |
|                                      | Environmental Assessment                                                                   | No  |
|                                      | ASR Modification                                                                           | No  |
|                                      | FAA Consultation (including preparation of FAA Form 7460)                                  | No  |
|                                      | Negotiation of Lease and other Matter for Shared Locations                                 | Yes |
|                                      | Prepare or Review FCC Form 399 for Reimbursement                                           | Yes |
|                                      | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| <b>RF Field Engineering Services</b> | Comprehensive coverage verification via field study                                        | No  |
|                                      | RF exposure measurements                                                                   | No  |
|                                      | Additional Field Engineering Service                                                       | No  |
|                                      | Number of Days                                                                             | N/A |
|                                      | Justification                                                                              | N/A |

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name | Description |
|------|-------------|
|------|-------------|

RF System Test

|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Testing of the combiner to ensure all frequencies are tuned for optimal patterns per attached ATC documentation.                                                                                                     |
| <b>Transmitter Site Survey</b>   | Transmitter planning survey & transmitter building drawings                                                                                                                                                          |
| <b>Site Coordination Meeting</b> | 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 per attached ATC documentation. |



**Other  
Expenses**

| Section                             | Question                                                                                                             | Response |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------|
| <b>AM Pattern Disturbance</b>       | Is an Impact Study needed?                                                                                           | No       |
|                                     | Is Remediation needed?                                                                                               | No       |
| <b>Facility Expenses</b>            | Name                                                                                                                 | N/A      |
|                                     | Other Distributed Transmission System Expenses Not listed                                                            | N/A      |
|                                     | Name                                                                                                                 | N/A      |
|                                     | Is Notification of a Medical Facility required as a result of DTV broadcasting?                                      | Yes      |
| <b>Permit and Filing Costs</b>      | Local Zoning                                                                                                         | Yes      |
|                                     | Non-zoning permits                                                                                                   | No       |
|                                     | BLM or NFS Coordination                                                                                              | No       |
|                                     | FCC Construction Permit Minor Change                                                                                 | Yes      |
|                                     | FCC License to Cover Application                                                                                     | Yes      |
|                                     | FCC Special Temporary Authority Application                                                                          | Yes      |
| <b>Other Miscellaneous Expenses</b> | 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?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?                                                  | Yes      |

**Other  
Expenses**

**Other Expenses Not Listed**

| Name                                       | Description                                                                                                                                                                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ATC one-time tower rental</b>           | ATC have 5 repack station and 2 phases on two different towers in the Boston DMA. See ATC documentation.                                                                                                                                   |
| <b>Security</b>                            | 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 per ATC documentation.        |
| <b>Testing for Asbestos and Lead Paint</b> | 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 per ATC documentation |

## 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-90                           | \$2,161,699.00              | \$1,634,109.00 |                                                                                                                                                                                  | \$0.00      |                           |
| UHF - Liquid Cooled Solid State Transmitter 52 - 61 kW | \$1,788,000.00              | \$1,379,222.00 | GatesAir quote sections A, B & E. This is the transmitter, mask filter, installation and proof per the FCC "transmitter" definition. See attached Transmitter TPO Justification. | N/A         | N/A                       |
| Additional RF components                               | <i>\$67,685.00</i>          | \$67,685.00    | Additional RF components required for transmitter operation and integration into current RF environment per GatesAir quote section C. RF Accessories.                            | N/A         | N/A                       |
| Sales Tax                                              | <i>\$91,271.00</i>          | \$91,271.00    | transmitter sales tax per attached                                                                                                                                               | N/A         | N/A                       |

|                                                                                         |                       |                       |                                                                                                                                                                                                                                  |               |     |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|
|                                                                                         |                       |                       | GatesAir<br>quote                                                                                                                                                                                                                |               |     |
| Shipping                                                                                | <b>\$13,500.00</b>    | \$13,500.00           | transmitter<br>shipping per<br>attached<br>GatesAir<br>quote                                                                                                                                                                     | N/A           | N/A |
| Electrical<br>Accessories                                                               | <b>\$1,943.00</b>     | \$1,943.00            | manufacturer<br>required<br>surge<br>protection                                                                                                                                                                                  | N/A           | N/A |
| 20 Ton system                                                                           | \$115,500.00          | \$22,000.00           | N/A                                                                                                                                                                                                                              | N/A           | N/A |
| Transformer 3<br>phase/480v -<br>300 KVA                                                | \$36,800.00           | \$11,488.00           | N/A                                                                                                                                                                                                                              | N/A           | N/A |
| Other<br>Electrical<br>Service:<br>transmitter<br>installation<br>electrical<br>service | <b>\$47,000.00</b>    | \$47,000.00           | interim<br>transmitter<br>installation<br>electrical<br>service per<br>attached<br>quote                                                                                                                                         | N/A           | N/A |
| <b>Primary<br/>Transmitter<br/>ULXTE-90</b>                                             | <b>\$2,164,197.00</b> | <b>\$1,730,107.00</b> |                                                                                                                                                                                                                                  | <b>\$0.00</b> |     |
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter 52<br>- 61 kW                      | \$1,788,000.00        | \$1,379,222.00        | GatesAir<br>quote<br>sections A, B<br>& E. This is<br>the<br>transmitter,<br>mask filter,<br>installation<br>and proof<br>per the FCC<br>"transmitter"<br>definition.<br>See<br>attached<br>Transmitter<br>TPO<br>Justification. | N/A           | N/A |
| Sales Tax                                                                               | <b>\$93,918.00</b>    | \$93,918.00           | transmitter<br>sales tax per                                                                                                                                                                                                     | N/A           | N/A |

|                                                                                         |                     |               |                                                                                                                                                                                                    |               |     |
|-----------------------------------------------------------------------------------------|---------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|
|                                                                                         |                     |               | attached<br>GatesAir<br>quote                                                                                                                                                                      |               |     |
| Shipping                                                                                | <b>\$13,500.00</b>  | \$13,500.00   | transmitter<br>shipping per<br>attached<br>GatesAir<br>quote                                                                                                                                       | N/A           | N/A |
| Additional RF<br>components                                                             | <b>\$85,256.00</b>  | \$85,256.00   | Additional<br>RF<br>components<br>required for<br>transmitter<br>operation<br>and<br>integration<br>into current<br>RF<br>environment<br>per GatesAir<br>quote<br>section C.<br>RF<br>Accessories. | N/A           | N/A |
| Electrical<br>Accessories                                                               | <b>\$1,943.00</b>   | \$1,943.00    | manufacturer<br>required<br>surge<br>protection                                                                                                                                                    | N/A           | N/A |
| Transmitter de-<br>install                                                              | <b>\$24,780.00</b>  | \$24,780.00   | remove<br>existing<br>transmitter                                                                                                                                                                  | N/A           | N/A |
| Transformer 3<br>phase/480v -<br>300 KVA                                                | \$36,800.00         | \$11,488.00   | N/A                                                                                                                                                                                                | N/A           | N/A |
| Other<br>Electrical<br>Service:<br>transmitter<br>installation<br>electrical<br>service | <b>\$120,000.00</b> | \$120,000.00  | transmitter<br>installation<br>electrical<br>service                                                                                                                                               | N/A           | N/A |
| <b>Auxiliary<br/>Transmitter<br/>Maxiva UAX-<br/>2000AT</b>                             | <b>\$109,355.00</b> | <b>\$0.00</b> |                                                                                                                                                                                                    | <b>\$0.00</b> |     |

|                                          |                |                |     |        |     |
|------------------------------------------|----------------|----------------|-----|--------|-----|
| 3 kW mask<br>filter                      | \$4,155.00     | \$0.00         | N/A | N/A    | N/A |
| UHF and VHF<br>- minor<br>banding issues | \$105,200.00   | \$0.00         | N/A | N/A    | N/A |
| <b>Sub-total</b>                         | \$4,435,251.00 | \$3,364,216.00 | N/A | \$0.00 | N/A |
| <b>Total for all<br/>systems</b>         | \$9,286,545.00 | \$4,655,845.00 | N/A | \$0.00 | 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 |
|------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|---------------------------------------------------------------|---------------|---------------------------|
| <b>Interim Antenna TUM-AP-O4-14/56H-2-T</b>                                                          | <b>\$198,003.00</b>         | <b>\$167,423.00</b> |                                                               | <b>\$0.00</b> |                           |
| Combiner installation                                                                                | <i>\$7,000.00</i>           | \$7,000.00          | WCVB portion of combiner installation. See ATC Documentation. | N/A           | N/A                       |
| Elbow complex, broadband, at antenna input, per 7 3 /16. feedline (if needed)                        | \$16,850.00                 | \$7,200.00          | N/A                                                           | N/A           | N/A                       |
| New combiner, cost per channel (without antenna)                                                     | \$84,200.00                 | \$67,000.00         | N/A                                                           | N/A           | N/A                       |
| UHF - High Power Top Mount Five Station broadband panel antenna elliptically or circularly polarized | <i>\$83,223.00</i>          | \$83,223.00         | WCVB portion of interim antenna cost. See ATC Documentation.  | N/A           | N/A                       |
| Sweep test of existing antenna                                                                       | \$6,730.00                  | \$3,000.00          | N/A                                                           | N/A           | N/A                       |
| <b>Primary</b>                                                                                       | <b>\$1,208,630.00</b>       | <b>\$246,363.00</b> |                                                               | <b>\$0.00</b> |                           |

**Antenna  
TUM-AP-O4-  
14/56H-2-T**

|                                                                                                                      |                     |               |                                                               |               |     |
|----------------------------------------------------------------------------------------------------------------------|---------------------|---------------|---------------------------------------------------------------|---------------|-----|
| Combiner Installation                                                                                                | <b>\$8,750.00</b>   | \$8,750.00    | WCVB portion of combiner installation. See ATC Documentation. | N/A           | N/A |
| New combiner, cost per channel (without antenna)                                                                     | \$84,200.00         | \$75,000.00   | N/A                                                           | N/A           | N/A |
| 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      | \$148,613.00  | WCVB portion of antenna cost. See ATC Documentation.          | N/A           | N/A |
| Elbow complex, broadband, at antenna input, per 8 3/16. feedline (if needed)                                         | \$18,950.00         | \$9,000.00    | N/A                                                           | N/A           | N/A |
| <b>Auxiliary Antenna TLP-16M (C)</b>                                                                                 | <b>\$189,500.00</b> | <b>\$0.00</b> |                                                               | <b>\$0.00</b> |     |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized                                       | \$189,500.00        | \$0.00        | N/A                                                           | N/A           | N/A |



|                              |                |                |     |        |     |
|------------------------------|----------------|----------------|-----|--------|-----|
| <b>Sub-total</b>             | \$1,596,133.00 | \$413,786.00   | N/A | \$0.00 | N/A |
| <b>Total for all systems</b> | \$9,286,545.00 | \$4,655,845.00 | N/A | \$0.00 | N/A |

## Components

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                           | \$832,500.00                | \$64,375.00    |                                                                        | \$0.00      |                           |
| Rigid Transmission Line - copper, 7 3/16" broadband | \$832,500.00                | \$64,375.00    | WCVB portion of transmission line cost. See ATC Documentation.         | N/A         | N/A                       |
| Primary Transmission Line                           | \$30,000.00                 | \$30,000.00    |                                                                        | \$0.00      |                           |
| Line Refurbish                                      | <i>\$30,000.00</i>          | \$30,000.00    | WCVB portion of transmission line refurbishing. See ATC Documentation. | N/A         | N/A                       |
| Auxiliary Transmission Line                         | \$0.00                      | \$0.00         |                                                                        | \$0.00      |                           |
| Sub-total                                           | \$862,500.00                | \$94,375.00    | N/A                                                                    | \$0.00      | N/A                       |
| Total for all systems                               | \$9,286,545.00              | \$4,655,845.00 | N/A                                                                    | \$0.00      | N/A                       |

Components

Information not provided.

Cost  
Information

Tower Equipment and Rigging Costs

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

| Description                                                                                                                | Predetermined Cost Estimate | Estimated Cost | Estimated Cost Justification | Actual Cost | Actual Cost Justification |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|------------------------------|-------------|---------------------------|
| Primary Tower GTOWER                                                                                                       | \$409,700.00                | \$111,488.00   |                              | \$0.00      |                           |
| Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study | \$26,300.00                 | \$11,088.00    | See ATC Documentation.       | N/A         | N/A                       |
| Tall Tower (greater than 500')                                                                                             | \$210,500.00                | \$60,500.00    | N/A                          | N/A         | N/A                       |
| Minor tower reinforcement /modifications                                                                                   | \$158,000.00                | \$25,000.00    | N/A                          | N/A         | N/A                       |
| Ground and Building A-E Permit Drawing Package                                                                             | <i>\$4,700.00</i>           | \$4,700.00     | See ATC Documentation.       | N/A         | N/A                       |
| Tower Permit Drawing Package                                                                                               | <i>\$4,700.00</i>           | \$4,700.00     | See ATC Documentation.       | N/A         | N/A                       |
| Tower Modification PM                                                                                                      | <i>\$5,500.00</i>           | \$5,500.00     | See ATC Documentation.       | N/A         | N/A                       |
| Auxiliary Tower GTOWER                                                                                                     | \$617,700.00                | \$82,835.00    |                              | \$0.00      |                           |
| Tower                                                                                                                      | <i>\$3,000.00</i>           | \$3,000.00     | See ATC                      | N/A         | N/A                       |

| Modification<br>PM                                                                                                                                          |                   | Documentation. |                           |        |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|---------------------------|--------|-----|
| Ground and<br>Building A-E<br>Permit<br>Drawing<br>Package                                                                                                  | <b>\$4,700.00</b> | \$4,700.00     | See ATC<br>Documentation. | N/A    | N/A |
| Tower Permit<br>Drawing<br>Package                                                                                                                          | <b>\$4,700.00</b> | \$4,700.00     | See ATC<br>Documentation. | N/A    | N/A |
| Complex<br>Tower<br>(includes, for<br>example,<br>those with<br>candelabras<br>and/or<br>stacked<br>antennas)                                               | \$421,000.00      | \$56,000.00    | N/A                       | N/A    | N/A |
| Minor tower<br>reinforcement<br>/modifications                                                                                                              | \$158,000.00      | \$10,000.00    | N/A                       | N/A    | N/A |
| Tower<br>mapping for<br>an<br>undocumented<br>/poorly<br>documented<br>tower and<br>preparation of<br>documentation<br>necessary for<br>tower load<br>study | \$26,300.00       | \$4,435.00     | N/A                       | N/A    | N/A |
| <b>Sub-total</b>                                                                                                                                            | \$1,027,400.00    | \$194,323.00   | N/A                       | \$0.00 | N/A |
| <b>Total for all<br/>systems</b>                                                                                                                            | \$9,286,545.00    | \$4,655,845.00 | N/A                       | \$0.00 | N/A |

## Components

Information not provided.

## Cost Information

### Outside Professional Services

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

| Description                                                                         | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification                                                   | Actual Cost   | Actual Cost Justification |
|-------------------------------------------------------------------------------------|-----------------------------|--------------------|--------------------------------------------------------------------------------|---------------|---------------------------|
| <b>Outside Professional Services</b>                                                | <b>\$93,241.00</b>          | <b>\$89,660.00</b> |                                                                                | <b>\$0.00</b> |                           |
| Site Coordination Meeting                                                           | <i>\$1,760.00</i>           | \$1,760.00         | See ATC Documentation.                                                         | N/A           | N/A                       |
| Transmitter Site Survey                                                             | <i>\$20,600.00</i>          | \$20,600.00        | Transmitter planning survey & transmitter building drawings per attached quote | N/A           | N/A                       |
| RF System Test                                                                      | <i>\$8,000.00</i>           | \$8,000.00         | See ATC Documentation. \$5,500 & \$2,500 for main and aux sites respectively.  | N/A           | N/A                       |
| Attorney Fees - Prepare and File request for Special Temporary Authorization        | \$3,680.00                  | \$3,500.00         | N/A                                                                            | N/A           | N/A                       |
| Attorney Fees - Negotiation of lease and other matters for shared locations         | \$4,210.00                  | \$4,000.00         | N/A                                                                            | N/A           | N/A                       |
| Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application | \$2,365.00                  | \$2,250.00         | N/A                                                                            | N/A           | N/A                       |

|                                                                                                                                                    |            |            |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----|-----|-----|
| Attorney Fees<br>- Aux Antenna,<br>prepare and<br>File Form<br>2100<br>Construction<br>Permit or<br>License<br>Application                         | \$4,210.00 | \$4,000.00 | N/A | N/A | N/A |
| Attorney Fees<br>- Prepare and<br>File FCC Form<br>2100 (main),<br>Construction<br>Permit<br>Application                                           | \$5,260.00 | \$5,000.00 | N/A | N/A | N/A |
| Prepare<br>request for<br>Special<br>Temporary<br>Authorization                                                                                    | \$2,050.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting<br>Engineer<br>Fees- Aux<br>Antenna:<br>Prepare<br>engineering<br>section of FCC<br>Form 2100,<br>License to<br>Cover<br>Application | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>License to<br>Cover<br>Application                                             | \$1,580.00 | \$1,500.00 | N/A | N/A | N/A |
| RF Consulting<br>Engineer<br>Fees- Aux<br>Antenna:<br>Prepare<br>engineering                                                                       | \$2,105.00 | \$2,000.00 | N/A | N/A | N/A |

section of FCC  
Form 2100,  
Construction  
Permit  
Application

|                                                                                      |                |                |     |        |     |
|--------------------------------------------------------------------------------------|----------------|----------------|-----|--------|-----|
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00     | \$3,000.00     | N/A | N/A    | N/A |
| Perform engineering study for new channel assignment and antenna development         | \$7,360.00     | \$7,000.00     | N/A | N/A    | N/A |
| Address transition timing and coordination issues w/ other stations and wireless     | \$2,630.00     | \$2,500.00     | N/A | N/A    | N/A |
| Prepare and or review reimbursement form                                             | \$2,630.00     | \$2,500.00     | N/A | N/A    | N/A |
| Project management of the transition                                                 | \$20,066.00    | \$19,050.00    | N/A | N/A    | N/A |
| <b>Sub-total</b>                                                                     | \$93,241.00    | \$89,660.00    | N/A | \$0.00 | N/A |
| <b>Total for all systems</b>                                                         | \$9,286,545.00 | \$4,655,845.00 | N/A | \$0.00 | N/A |

## Components

Information not provided.

## Cost Information

### Other Expenses

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

| Description                              | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification                                                                                                                                                                                                         | Actual Cost   | Actual Cost Justification |
|------------------------------------------|-----------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------|
| <b>Other Expenses</b>                    | <b>\$91,090.00</b>          | <b>\$90,485.00</b> |                                                                                                                                                                                                                                      | <b>\$0.00</b> |                           |
| Testing for Asbestos and Lead Paint      | <i>\$1,800.00</i>           | \$1,800.00         | See ATC Documentation.                                                                                                                                                                                                               | N/A           | N/A                       |
| Security                                 | <i>\$3,600.00</i>           | \$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 aluminum. See ATC documentation. | N/A           | N/A                       |
| ATC one-time tower rental                | <i>\$57,600.00</i>          | \$57,600.00        | ATC one-time tower rental during market repack period. See ATC documentation.                                                                                                                                                        | N/A           | N/A                       |
| MVPD Notification of Channel Change      | <i>\$2,500.00</i>           | \$2,500.00         | Attorney assistance in coordinating MVPD notification                                                                                                                                                                                | N/A           | N/A                       |
| Develop and air announcement of upcoming | <i>\$2,500.00</i>           | \$2,500.00         | Attorney review to ensure FCC compliance                                                                                                                                                                                             | N/A           | N/A                       |



|                                                           |                   |                |                                                                                 |        |     |
|-----------------------------------------------------------|-------------------|----------------|---------------------------------------------------------------------------------|--------|-----|
| channel change                                            |                   |                |                                                                                 |        |     |
| Equipment Delivery and Handling Charges                   | <b>\$8,500.00</b> | \$8,500.00     | See ATC Documentation. \$5,500 and \$3,000 for main and aux sites respectively. | N/A    | N/A |
| FCC Filing Fees - Special Temporary Authorization request | \$195.00          | \$190.00       | N/A                                                                             | N/A    | N/A |
| FCC Filing Fees - Form 2100 license to cover application  | \$335.00          | \$325.00       | N/A                                                                             | N/A    | N/A |
| DTV Medical Facility Notification                         | \$11,550.00       | \$11,000.00    | N/A                                                                             | N/A    | N/A |
| FCC Filing Fees - Form 2100 minor change CP application   | \$1,110.00        | \$1,070.00     | N/A                                                                             | N/A    | N/A |
| Local Zoning                                              | <b>\$1,400.00</b> | \$1,400.00     | See ATC Documentation. \$750 per site.                                          | N/A    | N/A |
| <b>Sub-total</b>                                          | \$91,090.00       | \$90,485.00    | N/A                                                                             | \$0.00 | N/A |
| <b>Total for all systems</b>                              | \$9,286,545.00    | \$4,655,845.00 | N/A                                                                             | \$0.00 | N/A |

## Components

Information not provided.

|                  |                       |                             |                |
|------------------|-----------------------|-----------------------------|----------------|
| Cost Information | Grand Total           |                             |                |
|                  |                       | Predetermined Cost Estimate | Estimated Cost |
|                  |                       |                             | Actual Cost    |
|                  | Total for all systems | \$9,286,545.00              | \$4,655,845.00 |
|                  |                       |                             | \$0.00         |

|                      |                                                                                                                                                                                                                    |          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 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"> <li>1. The Authorized Person signing below certifies that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity.</li> <li>2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> <li>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</li> </ol> |          |

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.

**John Drain**  
*Hearst  
Television  
SVP Chief  
Financial  
Officer*

## Attachments