



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **51349** | Service: **DTV** | Call **WBEC-TV** | Channel: **25 (UHF)** |  
ID: | Sign:  
File **0000028912**  
Number:  
FRN: **0005852249** | Date **10/09**  
Submitted: **/2021**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address   | Phone                       | Email                                    | Applicant Type       |
|--|---|-----------------------------|--|----------------------|
| <b>THE SCHOOL<br/>BOARD OF<br/>BROWARD<br/>COUNTY, FLORIDA</b> | Chuck Griffin<br>C/O BECON<br>6600 SW<br>NOVA DRIVE<br>FORT<br>LAUDERDALE,<br>FL 33317<br>United States | +1<br>(754)<br>321-<br>1000 | chuck.<br>griffin@browardschools.<br>com | Government<br>Entity |

## Reimbursement Contact Information

### Reimbursement Contact Name and Information

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

## Preparer Contact Information

### Preparer Contact Name and Information

| Applicant  | Address   | Phone                 | Email                   |
|--|---|-----------------------|-------------------------|
| <b>Evan D Carb</b><br><i>Attorney</i><br><i>Law Offices of Evan D Carb, PLLC</i> | Evan Carb<br>1200 New Hampshire<br>Avenue, NW<br>Suite 600<br>Washington, DC 20036<br>United States | +1 (202) 293-<br>2555 | Carblaw@verizon.<br>net |

**Broadcaster  
Information  
and  
Transition  
Plan**

| Question   | Response   |
|--|--|
| Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information. | No   |
| Briefly describe transition plan   | The transition plan is to replace the existing channel 40 system with a new channel 25 antenna system, transmission line, and transmitters. All of the equipment will be owned and operated by SBBC. |

**Transmitters**

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

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

| Section   | Question   | Response  |
|---|--|---|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New   |
|   | Use  | Auxiliary<br>(Backup)                                   |
|   | Description of Use   | Previous<br>Analog<br>Converted<br>to Digital<br>Backup |
|   | Ownership  | Owned   |
|   | Owner  | N/A   |
|   | Site   | N/A   |
|   | Is this transmitter currently shared with another station? | No  |
|   | Is this transmitter currently in operating condition?      | Yes   |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |   |
|   | Model  | Quantum<br>QDCN2  |
|   | Year   | 2006  |
|   | Type   | Inductive<br>Output Tube                                |
|   | IOT Power Type   | Two   |
|   | Power Capacity   | 60 kW   |

**Auxiliary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response  |
|-----------------|---|---|
| New Transmitter | Use                                       | Auxiliary<br>(Backup)   |
|                 | Change Type                               | Purchase<br>New   |
|                 | Is this a request for upgraded equipment? | No  |
|                 | Manufacturer                              |   |
|                 | Model                                     | THU9evo   |
|                 | Transmitter Type                          | Solid State   |
|                 | Solid State Cooling                       | Liquid<br>Cooled  |
|                 | Solid State Power capacity                | 19 kW   |
|                 | Justification for New Transmitter         | Our<br>existing<br>auxiliary<br>transmitter<br>is no longer<br>supported,<br>and cannot<br>be retuned.<br>A new<br>auxiliary<br>transmitter<br>is required<br>for<br>transition.<br>The<br>auxiliary<br>transmitter<br>will be used<br>in the<br>interim on<br>channel 40,<br>then<br>retuned to<br>channel 25<br>when<br>complete. |

**Auxiliary  
Transmitter**

**Other Transmitter Costs**

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

**Auxiliary  
Transmitter**

**Other Transmitter Cost Not Listed**

| Name   | Description  |
|--|--|
| <b>Decommissioning and disposal of Acrodyne backup transmitter</b> | Decommission and dispose of existing Acrodyne Quantum backup transmitter |

|   |  |
|---|--|
| <b>Auxiliary transmitter retuning and commissioning</b> | Retune and commission auxiliary transmitter. Transmitter will be used as auxiliary on channel 40 during transition, then retuned to new channel 25 when complete to become a backup to the main. |
| <b>Indoor RF decommissioning and disposal</b>           | In ceiling indoor RF decommissioning and disposal  |

**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  | Quantum<br>QDCN2         |
|  | Year   | 2006                     |
|  | Type   | Inductive<br>Output Tube |
|  | IOT Power Type   | Two                      |
|  | Power Capacity   | 60 kW                    |

**Primary  
Transmitter**

**New Transmitter Costs**

| Section         | Question                                  | Response   |
|-----------------|---|--|
| New Transmitter | Use                                       | Primary (Main)   |
|                 | Change Type                               | Purchase New   |
|                 | Is this a request for upgraded equipment? | No   |
|                 | Manufacturer                              |  |
|                 | Model                                     | THU9evo  |
|                 | Transmitter Type                          | Solid State  |
|                 | Solid State Cooling                       | Liquid Cooled  |
|                 | Solid State Power capacity                | 37 kW  |
|                 | Justification for New Transmitter         | Our current Acrodyne transmitter has been discontinued, the company is out of business, and the model is no longer supported. We are unable to retune our existing transmitter. We are therefore required to purchase a new transmitter. |

**Primary  
Transmitter**

**Other Transmitter Costs**

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



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

**Primary Transmitter**      **Other Transmitter Cost Not Listed**

| Name  | Description  |
|---|--|
| <b>Bid specifications and preparation</b>               | State Law and School Board Policy require such expenditures to be handled through a competitive bid process. |
| <b>Primary transmitter decommissioning and disposal</b> | Decommissioning and disposal of Acrodyne Quantum primary transmitter.  |

|   |  |
|---|--|
| <b>Indoor RF decommissioning and disposal</b> | Decommissioning and disposal of primary transmitter indoor RF system |
|---|--|

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Site   | N/A                |
|   | Is the existing antenna shared with another station or stations? | No                 |
|   | Is the existing antenna directional?                             | Yes                |
|   | Is antenna in operating condition?                               | Yes                |
|   | Is antenna located on or in close proximity to an antenna farm?  | Yes                |
| <b>Existing Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Horizontal         |
|   | Type   | Broadband<br>Panel |
|   | Number of Stations Supported                                     | 1                  |
|   | Number of Panels   | 24                 |
|   | Design power capacity in use                                     | 50.0 %             |
|   | Lower Limit  | 626.00 MHz         |
|   | Upper Limit  | 770.00 MHz         |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)                                  | 1000.0 kW          |
|   |  |                    |

|              |                           |
|--------------|---------------------------|
| Manufacturer |                           |
| Model        | ETU-<br>P2H12-(40-<br>63) |
| Year         | 2006                      |

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**Primary  
Antenna**

**New Antenna Costs**

| Section                                       | Question   | Response           |
|---|--|--------------------|
| <b>New Antenna<br/>Description</b>            | Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Change Type  | Purchase<br>New    |
|   | Is this a request for upgraded equipment?                            | No                 |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Is antenna shared?   | No                 |
|   | Is antenna directional?  | Yes                |
|   | Will antenna be located on or in close proximity to an antenna farm? | Yes                |
| <b>New Antenna<br/>Manufacturer and Types</b> | Class  | Full Power         |
|   | Mounting   | Top Mount          |
|   | Antenna position in stack  | Not in Stack       |
|   | Polarization   | Horizontal         |
|   | Type   | Slotted<br>Coaxial |
|   | Number of Stations Supported   | N/A                |
|   | Number of Panels/Bays  | N/A                |
|   | Lower Limit  | N/A                |
|   | Upper Limit  | N/A                |
|   | Design power capacity in use   | N/A                |
|   | Other Antenna Type   | N/A                |
|   | ERP: (Effective Radiated Power)<br>.....                             | 734.0 kW           |
|   | Manufacturer   |                    |
|   |  |                    |

|                               |  |
|-------------------------------|--|
| Model                         | TFU-17ETT-R BP290  |
| Year                          | 2018   |
| Justification for New Antenna | Existing broadband panel was designed for analog channel 63 and digital channel 40. According to manufacturer, a new antenna is required for channel 25 operation. |

## Primary Antenna

### Other Antenna Costs

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

|                                 |   |     |
|---------------------------------|---|-----|
| <b>Side Mount Brackets</b>      | Do you require the separate purchase of side mount brackets for a high power antenna?                       | No  |
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No  |
| <b>Sweep Test</b>               | Do you require the sweep testing of transmission line and antenna?  | Yes |

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

| <b>Name</b>                              | <b>Description</b>  |
|--|---|
| <b>Bid specification and preparation</b> | State Law and School Board policy require such expenditures be handled through a competitive bid process. |



**Interim  
Antenna**

**New Antenna Costs**

| Section                                      | Question   | Response           |
|--|--|--------------------|
| <b>New Antenna Description</b>               | Use  | Interim            |
|  | Description of Use   | N/A                |
|  | Change Type  | Purchase<br>New    |
|  | Ownership  | Owned              |
|  | Owner  | N/A                |
|  | Is antenna shared?   | No                 |
|  | Is antenna directional?  | Yes                |
|  | Will antenna be located on or in close proximity to an antenna farm? | Yes                |
| <b>New Antenna<br/>Manufacturer and Type</b> | Class  | Full Power         |
|  | Mounting   | Side Mount         |
|  | Antenna position in stack  | Not in Stack       |
|  | Polarization   | Horizontal         |
|  | Type   | Slotted<br>Coaxial |
|  | Number of Stations Supported   | N/A                |
|  | Number of Panels/Bays  | N/A                |
|  | Lower Limit  | N/A                |
|  | Upper Limit  | N/A                |
|  | Design power capacity in use   | N/A                |
|  | Other Antenna Type   | N/A                |
|  | ERP: (Effective Radiated Power)<br>.....                             | 200.0 kW           |
|  | Manufacturer   |                    |
|  | Model  | TFU-<br>16DSB-J    |
|  | Year   | 2018               |

|  |                               |  |
|--|-------------------------------|--|
|  | Justification for New Antenna | WBEC will move to an interim antenna on its existing channel 40 while transitioning to its new channel 25. |
|--|-------------------------------|--|

## Interim Antenna

### Other Antenna Costs

| Section                         | Question  | Response     |
|---------------------------------|---|--------------|
| <b>Elbow Complex</b>            | Do you require the separate purchase of the Elbow Complex?  | Yes          |
|                                 | Broadband or Single Channel?  | S            |
|                                 | Feed Line Size  | 6 1/8 inches |
| <b>Side Mount Brackets</b>      | Do you require the separate purchase of side mount brackets for an antenna?                                 | Yes          |
| <b>Pattern Scatter Analysis</b> | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | Yes          |
| <b>Sweep Test</b>               | Do you require the sweep testing of transmission line and antenna?  | Yes          |

## Interim Antenna

### Other Antenna Cost Not Listed

Information not provided.

**Transmission Line**

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

**Primary**  
**Transmission Line**

**Existing Transmission Line**

| Section   | Question   | Response          |
|---|--|-------------------|
| <b>Existing Transmission Line Description</b>           | Type of change   | Purchase New      |
|   | Use  | Primary (Main)    |
|   | Description of Use   | N/A               |
|   | Ownership  | Owned             |
|   | Owner  | N/A               |
|   | Site   | N/A               |
|   | Is the existing transmission line shared with another station or stations? | No                |
|   | Is Transmission Line in operating condition?                               | Yes               |
| <b>Existing Transmission Line Manufacturer and Type</b> | Manufacturer   |                   |
|   | Type   | Rigid             |
|   | Diameter   | 6 1/8 inches      |
|   | Other Diameter   | N/A               |
|   | Segment Length   | Broadband         |
|   | Other Segment Length   | N/A               |
|   | Number of parallel runs  | 2                 |
|   | Length   | 1150 feet per run |

**Primary** **New Transmission Line**  
**Transmission Line**

| Section                            | Question                                  | Response  |
|------------------------------------|---|---|
| <b>New Transmission Line Costs</b> | Use                                       | Primary (Main)  |
|                                    | Description of Use                        | N/A   |
|                                    | Change Type                               | Purchase New  |
|                                    | Is this a request for upgraded equipment? | No  |
|                                    | Type                                      | Rigid   |
|                                    | Diameter                                  | 6 1/8 inches  |
|                                    | Other Diameter                            | N/A   |
|                                    | Segment Length                            | 20 inches   |
|                                    | Other Segment Length                      | N/A   |
|                                    | Number of parallel runs                   | 1   |
|                                    | Length                                    | 1150 feet per run   |
|                                    | Justification for New Transmission Line   | Existing line designed for analog channel 63 and digital channel 40 operation. Per manufacturer, a new line is required for channel 25 operation. |

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

Information not provided.

Interim  
Transmission Line

New Transmission Line

| Section                     | Question                                | Response   |
|-----------------------------|---|--|
| New Transmission Line Costs | Use                                     | Interim  |
|                             | Description of Use                      | N/A  |
|                             | Change Type                             | Purchase New   |
|                             | Type                                    | Flexible Air   |
|                             | Diameter                                | 4 inches   |
|                             | Segment Length                          | N/A  |
|                             | Other Segment Length                    |  |
|                             | Number of parallel runs                 | 1  |
|                             | Length                                  | 1150 feet per run  |
|                             | Justification for New Transmission Line | New interim transmission line required for side mounted interim antenna operation. |

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      |

**Primary Tower**

**Existing Tower**

| Section  | Question  | Response          |
|--|---|-------------------|
| Existing Tower Description                         | Type of change  | Move Equipment    |
|  | Tower Use   | Primary (Main)    |
|  | Description of Use                                      | N/A               |
|  | Ownership   | Leased            |
|  | Is this tower consider Complex?                         | Candelabra        |
|  | Is this tower currently shared with any other stations? | Yes               |
|  | One or more FM, AM or TV radio broadcaster(s)           | Yes               |
|  | Others Types of Users                                   | Yes               |
|  | Is tower documented for structural analysis?            | Unknown           |
|  | Is tower compliant with Rev G?                          | Yes               |
| Existing Tower Structure Registration              | Do you have a tower registration number?                | Yes               |
|  | ASR Number  | 1224225           |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83)  | 25° 59' 10.0" N-  |
|  | Longitude (NAD83)                                       | 080° 11' 36.3" W- |
|  | Overall Structure Height                                | 1019.02 feet      |
|  | Support Structure Height                                | 942.90 feet       |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 11.15 feet        |
|  |   |                   |

|  |                  |   |
|--|------------------|---|
|  | Structure Type   | GTOWER -<br>Guyed<br>Structure Used<br>for<br>Communication<br>Purposes |
|  | Tower Owner      | American<br>Towers, LLC.  |
|  | Date Constructed | 10/12/2001  |

**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 |
|-------------|-----------|---------|
| 29567       | WSFS      | FM      |
| 29547       | WSBS-CD   | DTV     |
| 60536       | WAMI-DT   | DTV     |
| 64971       | WSCV      | DTV     |
| 41381       | WHYI-FM   | FM      |
| 11965       | WBGG-FM   | FM      |
| 51979       | WZTU      | FM      |
| 51978       | WMIA-FM   | FM      |
| 67193       | WMIB      | FM      |
| 51349       | WBEC-TV   | DTV     |
| 63154       | WTVJ      | DTV     |
| 48608       | WPXM-TV   | DTV     |

**Other Types of Users**

| Users   |
|---------|
| WFUN-LD |



|         |
|---------|
| W288DD  |
| W24DE-D |
| W17DG-D |
| WTXI-LD |

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

| Name                              | Description  |
|-----------------------------------|--|
| American Tower Modification Costs | American Tower Modification costs<br>including reinforcement |

**Outside  
Professional Services Costs**

| Section   | Question   | Response   |
|---|--|--|
| <b>Outside Project Management Services</b>        | Do you require outside project management services?                          | Yes  |
|   | Number of Hours  | 242  |
|   | Explanation  | Outside project management services are required for bid preparation, vendor coordination, equipment removal and installations, planning, modifications, and proof of performance. These service are not available in house. |
| <b>Outside RF consulting Engineering Services</b> | Perform engineering study for new channel assignment and antenna development | Yes  |
|   | Prepare engineering section of Form FCC Construction Permit Application      | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare engineering section of Form FCC License to Cover Application         | Yes  |
|   | For Auxiliary Facility   | No   |
|   | For Main Facility  | Yes  |
|   | Prepare request for Special Temporary Authority                              | Yes  |
|   | Quantity   | 2  |
|   |  |  |

|   |  |     |
|---|--|-----|
|   | Do you have Distributed Transmission System engineering services?                          | N/A |
|   | Critical Facility  | N/A |
|   | Terrain-Shielded Facility  | N/A |
| <b>Attorney and Other Outside Consulting Services</b> | Prepare and file Form FCC Construction Permit Application                                  | Yes |
|   | For Auxiliary Facility   | No  |
|   | For Main Facility  | Yes |
|   | Prepare and file Form FCC License to Cover Application                                     | Yes |
|   | For Auxiliary Facility   | No  |
|   | For Main Facility  | Yes |
|   | Prepare request for Special Temporary Authority  | Yes |
|   | Quantity   | 2   |
|   | 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  | Yes |
|   | RF exposure measurements   | Yes |
|   | Additional Field Engineering Service   | Yes |
|   | Number of Days   | 42  |

|  |               |  |
|--|---------------|--|
|  | Justification | Retuning demodulators / decoders at schools in Broward County currently receiving WBEC off air and distributing to classrooms. |
|--|---------------|--|

**Outside Professional Services Costs**

**Other Professional Services Expenses Not Listed**

| Name  | Description  |
|---|--|
| <b>1876 related financial assistance</b>                  | Counsel asked to help compile needed information and set up representatives and account types, prepare brief for CFO Interface with FCC on questions of accounts & procedures and completing form 1876. Estimate 13 @ \$300                                |
| <b>Monitor and Advise School Board on Repack</b>          | Advise School Board As Repack Team member, track all repack releases, prepare memos & brief staff, GC and Board on content, impact, implications, requirements, forms & timing. Raise concerns questions with FCC. Estimate 25 @ \$300                     |
| <b>Site Survey</b>  | Transmitter Manufacturer Site Survey to develop a transition plan, scope of work, equipment and electrical requirements and modifications.   |
| <b>School Board Supplemental Matters Affecting Repack</b> | Monitor, Analyze, and brief School Board on policies re bid procurement. Review, approval & signatory for TV matters. Ensure compliance during equipment research. Coordination of repack. Reconfigure FRN to maintain multi department access. 25 @ \$300 |

## 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)?        | Yes      |
|                                     | 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>Bid Specification and Preparation</b> | State Law and School Board Policy require expenditures such as electrical and tower work handled through a competitive bid process. |

## 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 Justification |
|--|-----------------------------|-----------------------|---|-----------------------|----------------------|
| <b>Primary Transmitter THU9evo</b>                     | <b>\$1,576,100.00</b>       | <b>\$1,500,500.00</b> |   | <b>\$1,129,284.00</b> |                      |
| Switchgear - industrial 800 amp                        | \$38,200.00                 | \$36,300.00           | N/A   | N/A                   |                      |
| Primary transmitter decommissioning and disposal       | <i>\$22,500.00</i>          | \$22,500.00           | Acrodyne Quantum Transmitter decommissioning and disposal   | \$0.00                |                      |
| Indoor RF decommissioning and disposal                 | <i>\$22,000.00</i>          | \$22,000.00           | Additional cost due to main transmitter RF removal  | \$0.00                |                      |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | \$1,473,000.00              | \$1,400,000.00        | N/A   | \$1,123,284.00        |                      |
| Service entrance 3 phase/800 amp /208 volt             | \$14,400.00                 | \$13,700.00           | N/A   | N/A                   |                      |
| Bid specifications and preparation                     | <i>\$6,000.00</i>           | \$6,000.00            | State Law and School Board Policy requires this expenditure be handled through a competitive bid process. | \$6,000.00            |                      |
| <b>Auxiliary Transmitter THU9evo</b>                   | <b>\$806,100.00</b>         | <b>\$780,440.00</b>   |   | <b>\$704,079.80</b>   |                      |

|   |                    |                |  |                |  |
|---|--------------------|----------------|--|----------------|--|
| Switchgear - industrial 800 amp                             | \$38,200.00        | \$36,300.00    | N/A  | N/A            |  |
| Service entrance 3 phase/800 amp /208 volt                  | \$14,400.00        | \$13,700.00    | N/A  | N/A            |  |
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW    | \$684,000.00       | \$660,940.00   | Final cost was more than what we estimated, original estimate was not based on actual quotes due to county school board procurement procedures we must follow. | \$660,940.00   | Final cost was more than what we estimated, original estimate was not based on actual quotes due to county school board procurement procedures we must follow. |
| Decommissioning and disposal of Acrodyne backup transmitter | <b>\$22,500.00</b> | \$22,500.00    | Decommissioning and disposal of Acrodyne Quantum backup transmitter.   | \$21,139.80    |  |
| Indoor RF decommissioning and disposal                      | <b>\$22,000.00</b> | \$22,000.00    | N/A  | \$22,000.00    |  |
| Auxiliary transmitter retuning and commissioning            | <b>\$25,000.00</b> | \$25,000.00    | Retune and commission interim transmitter to become backup transmitter.  | N/A            |  |
| <b>Sub-total</b>  | \$2,382,200.00     | \$2,280,940.00 | N/A  | \$1,833,363.80 |  |
| <b>Total for all systems</b>                                | \$4,054,009.33     | \$3,748,758.17 | N/A  | \$2,637,443.30 |  |

## Components



| Actual Information                                     |   |
|--|---|
| Description  | File Name   |
| Switchgear - industrial 800 amp                        | Information not provided.   |
| Primary transmitter decommissioning and disposal       | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Main Acrodyne Transmitter decommissioning<br/>\$22,500.00 </div>  |
| Indoor RF decommissioning and disposal                 | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Primary transmitter Indoor RF decommissioning and disposal<br/>\$22,000.00 </div>   |
| UHF - Liquid Cooled Solid State Transmitter 35 - 50 kW | <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Main transmitter electrical service<br/>\$7,300.00 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Main Antenna ladder tray and grounding<br/>\$14,320.00 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> Turn key install Rohde main switch including electrical.<br/>\$41,864.00 </div> <div> <div>Component Description:</div> <div>Amount:</div> </div> <div> 30% Downpayment R&amp;S THU9EVO-24 main transmitter<br/>\$286,902.00 </div> |

|  |   |  |
|--|---|--|
|  | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC main transmitter 50% down before ship<br>\$478,170.00                       |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | TSG Main transmitter indoor RF misc material and install services<br>\$42,770.63 |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | Main transmitter 2nd switch<br>\$18,250.00                                       |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | Main transmitter install services<br>\$85,210.00                                 |
|  | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC main transmitter 20% final invoice<br>\$191,268.00                          |
| Service entrance 3 phase /800 amp/208 volt | Information not provided.                           |  |
| Bid specifications and preparation         | <b>Component Description:</b><br><br><b>Amount:</b> | Main and Auxiliary Transmitter Procurement assistance<br>\$6,000.00              |
| Switchgear - industrial 800 amp            | Information not provided.                           |  |
| Service entrance 3 phase /800 amp/208 volt | Information not provided.                           |  |

|   |   |  |
|---|---|--|
| UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW    | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC backup transmitter installation<br>\$133,010.00             |
|   | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC Rohde AUX antenna 20% final payment invoice<br>\$105,586.00 |
|   | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC Aux transmitter 50% down prior to ship<br>\$263,965.00      |
|   | <b>Component Description:</b><br><br><b>Amount:</b> | WBEC Aux transmitter 30% downpayment<br>\$158,379.00             |
| Decommissioning and disposal of Acrodyne backup transmitter | <b>Component Description:</b><br><br><b>Amount:</b> | Backup transmitter decommissioning and disposal<br>\$21,139.80   |
| Indoor RF decommissioning and disposal                      | <b>Component Description:</b><br><br><b>Amount:</b> | Indoor RF decommissioning and disposal<br>\$22,000.00            |
| Auxiliary transmitter retuning and commissioning            | 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 TFU-16DSB-J</b>   | <b>\$236,940.00</b>         | <b>\$76,623.86</b> |   | <b>\$46,396.36</b> |                           |
| Sweep test of existing antenna   | \$6,730.00                  | \$6,400.00         | N/A   | \$5,760.00         | N/A                       |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized                         | \$189,500.00                | \$31,523.86        | ***System Notice: Estimate adjusted and locked because line has been superseded.<br>*** | \$31,523.86        | N/A                       |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | \$5,260.00                  | \$5,000.00         | N/A   | N/A                | N/A                       |
| Side mount brackets for high power antennas (if not included in antenna base cost)                     | \$23,150.00                 | \$22,000.00        | N/A   | \$9,112.50         | N/A                       |

|   |                     |                     |   |                     |            |
|---|---------------------|---------------------|---|---------------------|------------|
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)      | \$12,300.00         | \$11,700.00         | N/A   | N/A                 | N/A        |
| <b>Primary Antenna TFU-17ETT-R BP290</b>  | <b>\$272,030.00</b> | <b>\$259,100.00</b> |   | <b>\$151,539.00</b> |            |
| Bid specification and preparation   | <b>\$6,000.00</b>   | \$6,000.00          | State Law and School Board Policy requires this expenditure be handled through a competitive bid process. | \$6,000.00          | N/A        |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)      | \$12,300.00         | \$11,700.00         | N/A   | \$9,267.76          | N/A        |
| Sweep test of existing antenna  | \$6,730.00          | \$6,400.00          | N/A   | \$5,760.00          | N/A        |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | \$247,000.00        | \$235,000.00        | N/A   | \$130,511.24        | N/A        |
| <b>Sub-total</b>  | <b>\$508,970.00</b> | <b>\$335,723.86</b> | <b>N/A</b>  | <b>\$197,935.36</b> | <b>N/A</b> |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$4,054,009.33 | \$3,748,758.17 | N/A | \$2,637,443.30 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| Actual Information   |   |
|--|---|
| Description  | File Name   |
| Sweep test of existing antenna   | <p><b>Component Description:</b> 45% down with order repack sweep</p> <p><b>Amount:</b> \$2,880.00</p> <p><b>Component Description:</b> 45% prior to ship repack sweep</p> <p><b>Amount:</b> \$2,880.00</p>                       |
| UHF - Lower Power Side Mount, One station - 200-500 kW, horizontally polarized                         | <p><b>Component Description:</b> 45% down with order side mount AUX antenna</p> <p><b>Amount:</b> \$15,761.93</p> <p><b>Component Description:</b> 45% prior to ship side mount AUX antenna</p> <p><b>Amount:</b> \$15,761.93</p> |
| Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost) | Information not provided.   |

|  |   |
|--|---|
| Side mount brackets for high power antennas (if not included in antenna base cost) | <div> <div> <b>Component Description:</b> 45% prior to ship heavy custom mounts </div> <div> <b>Amount:</b> \$4,556.25 </div> </div> <div> <div> <b>Component Description:</b> 45% down with order heavy custom mounts </div> <div> <b>Amount:</b> \$4,556.25 </div> </div> <div> <div> <b>Component Description:</b> Aux antenna tower brackets </div> <div> <b>Amount:</b> \$2,195.29 </div> </div> |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)   | Information not provided.   |
| Bid specification and preparation  | <div> <div> <b>Component Description:</b> Main and Auxiliary Antenna Procurement assistance </div> <div> <b>Amount:</b> \$6,000.00 </div> </div>  |
| Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)   | <div> <div> <b>Component Description:</b> 45% down with order Elbow complex </div> <div> <b>Amount:</b> \$4,633.88 </div> </div> <div> <div> <b>Component Description:</b> ELBOW COMPLEX, SINGLE CHANNEL AT ANTENNA INPUT FOR 6-1/8" 75 OHM. </div> <div> <b>Amount:</b> \$4,633.88 </div> </div>   |

|   |   |
|---|---|
| Sweep test of existing antenna  | <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> 45% down with order<br/> \$2,880.00 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Reack sweep<br/> \$2,880.00 </div> </div>   |
| UHF - High Power Top Mount (200-1000 kW), One station antenna, horizontally polarized | <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> Complex In-Ceiling Indoor RF installation.<br/> \$98,081.57 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> 45% down with order UHF high power top mount antenna<br/> \$65,255.62 </div> </div> <div> <div> <b>Component Description:</b><br/> <b>Amount:</b> </div> <div> UHF - HIGH POWER TOP MOUNT antenna<br/> 45%prior ship<br/> \$65,255.62 </div> </div> |



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                       | \$85,100.00                 | \$80,500.00    |                              | \$61,143.34    |                           |
| Flexible Air Transmission Line - dielectric, 4" | \$85,100.00                 | \$80,500.00    | N/A                          | \$61,143.34    | N/A                       |
| Primary Transmission Line                       | \$232,300.00                | \$220,800.00   |                              | \$147,460.32   |                           |
| Rigid Transmission Line - copper, 6 1/8"        | \$232,300.00                | \$220,800.00   | N/A                          | \$147,460.32   | N/A                       |
| Sub-total                                       | \$317,400.00                | \$301,300.00   | N/A                          | \$208,603.66   | N/A                       |
| Total for all systems                           | \$4,054,009.33              | \$3,748,758.17 | N/A                          | \$2,637,443.30 | N/A                       |

Components

| Actual Information                              |  |
|---|--|
| Description                                     | File Name                                      |
| Flexible Air Transmission Line - dielectric, 4" | Component Description:                         |
|   | 45% down with order flexible transmission line |
|   | Amount:  |
|   | \$30,571.67                                    |
|   | Component Description:                         |
|   | 45% with order flexible transmission line      |
|   | Amount:  |
|   | \$30,571.67                                    |

Rigid Transmission Line -  
copper, 6 1/8"

|                               |                                  |
|-------------------------------|----------------------------------|
| <b>Component Description:</b> | Rigid transmission<br>line tuner |
| <b>Amount:</b>                | \$3,528.00                       |

|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>Component Description:</b> | Additional rigid line<br>main antenna |
| <b>Amount:</b>                | \$3,437.00                            |

|                               |  |
|-------------------------------|--|
| <b>Component Description:</b> | 45% before ship<br>RIGID<br>TRANSMISSION<br>LINE - COPPER 6-1<br>/8" 75 OHM EIA -<br>1209 FT |
| <b>Amount:</b>                | \$70,419.51  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | 45% with order<br>Rigid transmission<br>line copper T/L 6-75<br>EIA length 15 to 20'<br>fixed FLG |
| <b>Amount:</b>                | \$1,546.65  |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | Primary Antenna<br>transmission line<br>indoor RF |
| <b>Amount:</b>                | \$33,115.65                                       |

|                               |   |
|-------------------------------|---|
| <b>Component Description:</b> | 45% down with<br>order Rigid<br>transmission line 6 1<br>/8 75 OHM 1209FT |
| <b>Amount:</b>                | \$70,419.51   |

**Component Description:**

45% before ship  
RIGID  
TRANSMISSION  
LINE COPPER T/L  
6-75 EIA LENGTH  
15' TO 20' FIXED  
FLG

**Amount:**

\$1,546.65

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  | \$485,313.33                | \$476,969.31   |  | \$310,840.48   |  |
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) | \$421,000.00                | \$412,655.98   | For the final invoices the Dielectric install crew had to have some custom cut RF pieces and shipping to finish install at the site. | \$276,215.98   | For the final invoices the Dielectric install crew had to have some custom cut RF pieces and shipping to finish install at the site. |
| American Tower Modification Costs   | \$64,313.33                 | \$64,313.33    | American Tower Cost Estimates attached   | \$34,624.50    | N/A  |
| Sub-total   | \$485,313.33                | \$476,969.31   | N/A  | \$310,840.48   | N/A  |
| Total for all systems   | \$4,054,009.33              | \$3,748,758.17 | N/A  | \$2,637,443.30 | N/A  |

Components

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

|   |                               |   |
|---|-------------------------------|---|
| Complex Tower (includes, for example, those with candelabras and/or stacked antennas) |                               |   |
|   | <b>Component Description:</b> | Final Main antenna and line install               |
|   | <b>Amount:</b>                | \$120,510.23                                      |
|   |                               |   |
|   | <b>Component Description:</b> | Final Aux antenna and line install                |
|   | <b>Amount:</b>                | \$15,929.77                                       |
|   |                               |   |
|   | <b>Component Description:</b> | 45% 2nd payment main antenna install              |
|   | <b>Amount:</b>                | \$92,313.00                                       |
|   |                               |   |
|   | <b>Component Description:</b> | 45% down with order main antenna install services |
|   | <b>Amount:</b>                | \$92,313.00                                       |
|   |                               |   |
|   | <b>Component Description:</b> | 45% prior to ship Aux install services            |
|   | <b>Amount:</b>                | \$45,794.99                                       |
|   |                               |   |
|   | <b>Component Description:</b> | 45% down with order AUX Install services          |
|   | <b>Amount:</b>                | \$45,794.99                                       |

American Tower  
Modification Costs

**Component Description:** American Tower  
special tower  
inspection  
required by permit  
office

**Amount:** \$1,237.50

**Component Description:** American Tower  
mapping for new  
antenna

**Amount:** \$8,267.00

**Component Description:** Capital  
Contribution  
required by all  
tenants for repack

**Amount:** \$5,000.00

**Component Description:** AMT structural  
engineering for  
tower load

**Amount:** \$4,750.00

**Component Description:** Jurisdiction plan  
review required for  
permitting

**Amount:** \$440.00

**Component Description:** American Tower  
Project  
Management and  
permits

**Amount:** \$14,930.00

## Cost Information

### Outside Professional Services

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

| Description  | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification   | Actual Cost        | Actual Cost Justification                      |
|--|-----------------------------|---------------------|--|--------------------|--|
| <b>Outside Professional Services</b>               | <b>\$263,536.00</b>         | <b>\$259,425.00</b> |  | <b>\$72,225.00</b> |  |
| School Board Supplemental Matters Affecting Repack | <i>\$7,500.00</i>           | \$7,500.00          | Advise School Board As Repack Team member, track all repack releases, prepare memos & brief staff, GC and Board on content, impact, implications, requirements, forms & timing. Raise concerns questions with FCC. Estimate 25 @ \$300 | \$4,500.00         | N/A  |
| Site Survey  | <i>\$18,500.00</i>          | \$18,500.00         | Site Survey including architectural drawings, electrical design, and documentation of all existing and new equipment changes necessary for transition.   | \$28,250.00        | Actual cost was greater than original estimate |

|   |                   |            |  |            |     |
|---|-------------------|------------|--|------------|-----|
| Monitor and Advise School Board on Repack | <b>\$7,500.00</b> | \$7,500.00 | Monitor, Analyze, and brief School Board on policies re bid procurement. Review, approval & signatory for TV matters. Ensure compliance during equipment research. Coordination of repack. Reconfigure FRN to maintain multi department access. 25 @ \$300 | \$7,050.00 | N/A |
| 1876 related financial assistance         | <b>\$3,900.00</b> | \$3,900.00 | Compile needed information, identify representatives, prepare brief for CFO Interface with FCC on questions of accounts & procedures for public entity with one large main account. Complete form 1876. 13 @ \$300   | \$3,150.00 | N/A |



|  |                    |             |  |            |     |
|--|--------------------|-------------|--|------------|-----|
| Additional Field Engineering Service, 42 Days                                | <b>\$42,000.00</b> | \$42,000.00 | Engineering cost to retune demodulators / decoders at 231 schools in Broward County currently receiving WBEC off air and distributing to classrooms. | \$0.00     | N/A |
| RF Exposure Measurements   | \$21,050.00        | \$20,000.00 | N/A  | \$0.00     | N/A |
| Comprehensive coverage verification via field study, if needed               | \$84,200.00        | \$80,000.00 | N/A  | N/A        | N/A |
| Attorney Fees - Prepare and File request for Special Temporary Authorization | \$7,360.00         | \$7,000.00  | N/A  | \$2,925.00 | N/A |

|  |            |            |   |            |  |
|--|------------|------------|---|------------|--|
| Attorney Fees -<br>Negotiation of<br>lease and other<br>matters for<br>shared<br>locations               | \$4,210.00 | \$9,975.00 | Lease<br>discussions<br>with American<br>Tower took<br>longer and<br>proved more<br>complex than<br>anticipated with<br>more issues<br>arising than<br>were<br>anticipated.<br>Some included<br>additional input<br>needed from<br>School System<br>General<br>Counsel<br>concerning<br>Sunshine Laws<br>and other<br>matter. | \$9,975.00 | Lease<br>discussio<br>with<br>Americ<br>Tower to<br>longer a<br>proved<br>more<br>comple<br>than<br>anticipat<br>with mo<br>issues<br>arising<br>than we<br>anticipat<br>Some<br>include<br>addition<br>input<br>needed<br>from<br>Schoc<br>Syster<br>Gener<br>Couns<br>concern<br>Sunshir<br>Laws a<br>other<br>matte |
| Attorney Fees -<br>Prepare and<br>File FCC Form<br>2100 (main),<br>License to<br>Cover<br>Application    | \$2,365.00 | \$2,250.00 | N/A   | N/A        | N/A  |
| 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   | \$3,975.00 | N/A  |

|  |                     |                     |            |                    |            |
|--|---------------------|---------------------|------------|--------------------|------------|
| Prepare request for Special Temporary Authorization                                  | \$4,100.00          | \$3,000.00          | N/A        | N/A                | N/A        |
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application    | \$1,580.00          | \$1,500.00          | N/A        | \$0.00             | N/A        |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | \$3,155.00          | \$3,000.00          | N/A        | \$3,000.00         | N/A        |
| Perform engineering study for new channel assignment and antenna development         | \$7,360.00          | \$7,000.00          | N/A        | \$7,000.00         | N/A        |
| Address transition timing and coordination issues w/ other stations and wireless     | \$2,630.00          | \$2,500.00          | N/A        | \$2,400.00         | 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   | \$38,236.00         | \$36,300.00         | N/A        | \$0.00             | N/A        |
| <b>Sub-total</b>   | <b>\$263,536.00</b> | <b>\$259,425.00</b> | <b>N/A</b> | <b>\$72,225.00</b> | <b>N/A</b> |

|                              |                |                |     |                |     |
|------------------------------|----------------|----------------|-----|----------------|-----|
| <b>Total for all systems</b> | \$4,054,009.33 | \$3,748,758.17 | N/A | \$2,637,443.30 | N/A |
|------------------------------|----------------|----------------|-----|----------------|-----|

## Components

| <b>Actual Information</b>                          |  |
|--|--|
| <b>Description</b>                                 | <b>File Name</b>   |
| School Board Supplemental Matters Affecting Repack | <p><b>Component Description:</b> Monitor and Advise School Board on Repack</p> <p><b>Amount:</b> \$4,500.00</p>            |
| Site Survey  | <p><b>Component Description:</b> WBEC full site survey</p> <p><b>Amount:</b> \$28,250.00</p>                               |
| Monitor and Advise School Board on Repack          | <p><b>Component Description:</b> District Monitoring and Advise during Repack project</p> <p><b>Amount:</b> \$7,050.00</p> |
| 1876 related financial assistance                  | <p><b>Component Description:</b> Form 1876 assistance</p> <p><b>Amount:</b> \$3,150.00</p>                                 |
| Additional Field Engineering Service, 42 Days      | <p><b>Component Description:</b> Cornerstone Additional Field Engineering Services</p> <p><b>Amount:</b> \$42,000.00</p>   |

|  |   |
|--|---|
| RF Exposure Measurements   | <p><b>Component Description:</b></p> <p>RF Exposure Measurements, studies performed on May 23rd, July 20th, and August 7th</p> <p><b>Amount:</b></p> <p>\$7,500.00</p>    |
| Comprehensive coverage verification via field study, if needed                         | Information not provided.   |
| Attorney Fees - Prepare and File request for Special Temporary Authorization           | <p><b>Component Description:</b></p> <p>Prepare and File request for Special Temporary Authorization</p> <p><b>Amount:</b></p> <p>\$2,925.00</p>                          |
| Attorney Fees - Negotiation of lease and other matters for shared locations            | <p><b>Component Description:</b></p> <p>Tower lease negotiations with American Tower.</p> <p><b>Amount:</b></p> <p>\$9,975.00</p>   |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application     | Information not provided.   |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | <p><b>Component Description:</b></p> <p>Attorney Fees - Prepare and File FCC Form2100 (main), Construction Permit Application</p> <p><b>Amount:</b></p> <p>\$3,975.00</p> |
| Prepare request for Special Temporary Authorization                                    | Information not provided.   |

|  |  |   |
|--|--|---|
| Prepare engineering section of FCC Form 2100 (main), License to Cover Application    | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Prepare engineering section of FCC Form 2100 (main) license to cover</p> <p>\$1,500.00</p>                   |
| Prepare engineering section of FCC Form 2100 (main), Construction Permit Application | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p> <p>\$3,000.00</p>   |
| Perform engineering study for new channel assignment and antenna development         | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Engineering study for new channel assignment and antenna development</p> <p>\$7,000.00</p>                   |
| Address transition timing and coordination issues w/ other stations and wireless     | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Address transition timing and coordination issues w/ other stations and American Tower</p> <p>\$2,400.00</p> |
| Prepare and or review reimbursement form   | Information not provided.                                  |   |
| Project management of the transition   | <p><b>Component Description:</b></p> <p><b>Amount:</b></p> | <p>Cornerstone Repack Project management services</p> <p>\$36,300.00</p>  |



## Cost Information

### Other Expenses

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

| Description   | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification  | Actual Cost        | Actual Cost Justification |
|---|-----------------------------|--------------------|---|--------------------|---------------------------|
| <b>Other Expenses</b>                                     | <b>\$96,590.00</b>          | <b>\$94,400.00</b> |   | <b>\$14,475.00</b> |                           |
| Bid Specification and Preparation                         | <i>\$6,000.00</i>           | \$6,000.00         | State Law and School Board Policy require expenditures such as electrical and tower work to be handled through a competitive bid process. | \$6,000.00         | N/A                       |
| Develop and air announcement of upcoming channel change   | <i>\$2,500.00</i>           | \$2,500.00         | Develop public service announcement on behalf of school district to notify public of upcoming channel change                              | \$450.00           | N/A                       |
| FCC Filing Fees - Special Temporary Authorization request | \$195.00                    | \$0.00             | Non-Commercial Station  | N/A                | N/A                       |
| DTV Medical Facility Notification                         | \$11,550.00                 | \$11,000.00        | N/A   | \$1,650.00         | N/A                       |
| MVPD Notification of Channel Change                       | <i>\$2,400.00</i>           | \$2,400.00         | legal costs for project. 8@ \$300   | \$1,125.00         | N/A                       |



|  |                    |                |   |                |     |
|--|--------------------|----------------|---|----------------|-----|
| Equipment Delivery and Handling Charges                                  | <b>\$25,000.00</b> | \$25,000.00    | Cost for delivery, temporary staging, and storage of equipment during installation.   | \$0.00         | N/A |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <b>\$22,500.00</b> | \$22,500.00    | Cost for removal and disposal of all necessary equipment and waste.   | \$5,250.00     | N/A |
| FCC Filing Fees - Form 2100 license to cover application                 | \$335.00           | \$0.00         | Non-Commercial Station  | N/A            | N/A |
| FCC Filing Fees - Form 2100 minor change CP application                  | \$1,110.00         | \$0.00         | Non-Commercial Station  | N/A            | N/A |
| Local Zoning   | <b>\$25,000.00</b> | \$25,000.00    | Bidding and permitting required for electrical work at transmit site. Requires architectural drawings, and licensed certifications. | N/A            | N/A |
| <b>Sub-total</b>   | \$96,590.00        | \$94,400.00    | N/A   | \$14,475.00    | N/A |
| <b>Total for all systems</b>   | \$4,054,009.33     | \$3,748,758.17 | N/A   | \$2,637,443.30 | N/A |

## Components

| Actual Information<br>Description | File Name |
|-----------------------------------|-----------|
|-----------------------------------|-----------|

|   |  |
|---|--|
| Bid Specification and Preparation                         | <p><b>Component Description:</b></p> <p>Procurement assistance with tower and electrical work related to repack.</p> <p><b>Amount:</b></p> <p>\$6,000.00</p>     |
| Develop and air announcement of upcoming channel change   | <p><b>Component Description:</b></p> <p>Develop and Air Announcement for Channel Change</p> <p><b>Amount:</b></p> <p>\$450.00</p>                                |
| FCC Filing Fees - Special Temporary Authorization request | Information not provided.  |
| DTV Medical Facility Notification                         | <p><b>Component Description:</b></p> <p>DTV Medical Facility Notification</p> <p><b>Amount:</b></p> <p>\$1,650.00</p>  |
| MVPD Notification of Channel Change                       | <p><b>Component Description:</b></p> <p>MVPD Notification of Channel Change</p> <p><b>Amount:</b></p> <p>\$1,125.00</p>  |
| Equipment Delivery and Handling Charges                   | <p><b>Component Description:</b></p> <p>Equipment Delivery and Handling Charges for Main and Auxiliary Transmitters</p> <p><b>Amount:</b></p> <p>\$24,000.00</p> |

|   |   |                               |  |                |            |                               |   |                |            |
|---|---|-------------------------------|--|----------------|------------|-------------------------------|---|----------------|------------|
| <p>Disposal Costs (for equipment and other waste, net of any salvage value)</p> | <table> <tr> <td data-bbox="702 174 1015 210"><b>Component Description:</b></td><td data-bbox="1147 174 1361 365">Hazardous materials disposal for Main Transmitter and Main Indoor RF</td></tr> <tr> <td data-bbox="702 376 815 412"><b>Amount:</b></td><td data-bbox="1147 376 1267 412">\$5,250.00</td></tr> <tr> <td data-bbox="702 517 1015 553"><b>Component Description:</b></td><td data-bbox="1147 517 1369 667">Backup transmitter indoor RF hazardous waste disposal</td></tr> <tr> <td data-bbox="702 678 815 714"><b>Amount:</b></td><td data-bbox="1147 678 1267 714">\$5,250.00</td></tr> </table> | <b>Component Description:</b> | Hazardous materials disposal for Main Transmitter and Main Indoor RF | <b>Amount:</b> | \$5,250.00 | <b>Component Description:</b> | Backup transmitter indoor RF hazardous waste disposal | <b>Amount:</b> | \$5,250.00 |
| <b>Component Description:</b>   | Hazardous materials disposal for Main Transmitter and Main Indoor RF  |                               |  |                |            |                               |   |                |            |
| <b>Amount:</b>  | \$5,250.00  |                               |  |                |            |                               |   |                |            |
| <b>Component Description:</b>   | Backup transmitter indoor RF hazardous waste disposal   |                               |  |                |            |                               |   |                |            |
| <b>Amount:</b>  | \$5,250.00  |                               |  |                |            |                               |   |                |            |
| <p>FCC Filing Fees - Form 2100 license to cover application</p>                 | <p>Information not provided.</p>  |                               |  |                |            |                               |   |                |            |
| <p>FCC Filing Fees - Form 2100 minor change CP application</p>                  | <p>Information not provided.</p>  |                               |  |                |            |                               |   |                |            |
| <p>Local Zoning</p>   | <p>Information not provided.</p>  |                               |  |                |            |                               |   |                |            |

| Cost Information | Grand Total           |                             |                |                |
|------------------|-----------------------|-----------------------------|----------------|----------------|
|                  |                       | Predetermined Cost Estimate | Estimated Cost | Actual Cost    |
|                  | Total for all systems | \$4,054,009.33              | \$3,748,758.17 | \$2,637,443.30 |

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

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

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

|   |   |
|---|---|
| <p>8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.</p> |   |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>   | <p><b>Charles Griffin</b><br/> <i>Engineering Manager</i></p> <p>10/09/2021</p> |

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



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

|  |   |
|--|---|
| <p>8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |   |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Charles Griffin</b><br/> <i>Engineering Manager</i></p> <p>10/09/2021</p> |

| Certification | Section   | Question   | Response |
|---------------|---|--|----------|
|               | Submission of Final Allocation or Accounting Information 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 and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.</li> <li>2. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.</li> </ol> |          |

3. The above-named entity certifies that all costs identified as "actual costs" herein accurately represent the costs actually paid by the above-named entity, including any discounts, refunds, or rebates.
4. 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.
5. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
6. 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.

**Charles Griffin**  
*Engineering Manager*

10/09/2021

**Attachments**