



(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Facility **1104** | Service: **DCA** | Call **WCBZ-CD** | Channel: **18 (UHF)**  
ID: | Sign:  
File **0000028282**  
Number:  
FRN: **0018086967** | Date **10/25**  
Submitted: **/2019**

## Applicant Information

### Applicant Name, Type, and Contact Information

| Applicant  | Address   | Phone             | Email             | Applicant Type |
|--|---|-------------------|-------------------|----------------|
| <b>Columbus Broadcasting Corporation</b><br>Doing Business As: Columbus Broadcasting Corporation | Mark Hiner<br>PO Box 325<br>Etna,<br>OH<br>43018<br>United States | +1 (614) 547-1722 | mark@yourtv22.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. | No   |
| Briefly describe transition plan   | WMNO intends to move it's transmitter site to another location as the present tower owner will not agree to the tower mods required in order for WMNO to be in compliance with EIA 222G. |

**Transmitters**

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

**Primary  
Transmitter**

**Existing Transmitter Information**

| <b>Section</b>  | <b>Question</b>  | <b>Response</b>   |
|---|--|-------------------|
| <b>Existing Transmitter<br/>Description</b>           | Type of change   | Purchase<br>New   |
|   | Use  | Primary<br>(Main) |
|   | Description of Use   | N/A               |
|   | Ownership  | Owned             |
|   | Owner  | N/A               |
|   | Site   | N/A               |
|   | Is this transmitter currently shared with another station? | No                |
|   | Is this transmitter currently in operating condition?      | Yes               |
| <b>Existing Transmitter<br/>Manufacturer and Type</b> | Manufacturer   |                   |
|   | Model  | DCA5000           |
|   | Year   | 2015              |
|   | Type   | Solid State       |
|   | Solid State Cooling  | Air Cooled        |
|   | Solid State Power Capacity                                 | 0.5 kW            |

**Primary Transmitter**

**New Transmitter Costs**

| Section                | Question                                  | Response   |
|------------------------|---|--|
| <b>New Transmitter</b> | Use                                       | Primary (Main)   |
|                        | Change Type                               | Purchase New   |
|                        | Is this a request for upgraded equipment? | Yes  |
|                        | Manufacturer                              |  |
|                        | Model                                     | TRN-5X-U-38-C  |
|                        | Transmitter Type                          | Solid State  |
|                        | Solid State Cooling                       | Air Cooled   |
|                        | Solid State Power capacity                | 3.3 kW   |
|                        | Justification for New Transmitter         | Existing transmitter cannot be converted to repacked channel per manufacturer as the supplier no longer sells or has equipment to directly replace the existing 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  | Yes                 |
|  | Size  | 2 inches            |
|  | Length  | 30.0 feet           |
|  | Other Electrical Service  | No                  |
|  | Description   | N/A                 |
| <b>HVAC Service</b>  | Does the replacement transmitter require HVAC Service?  | Yes                 |
|  | Type  | Heating and Cooling |
|  | Size  | 5 tons              |
|  | Other Size  | N/A tons            |
| <b>Transmitter Building Addition/Modification or Leasehold Improvement</b> | Does the Transmitter Building require an addition, modification, other leasehold improvement? | Yes                 |
|  | Size  | 100.0 square feet   |
| <b>Channel 14 Costs</b>  | Is an RF Consulting Engineer needed?  | N/A                 |
|  | Is a channel 14 Mask Filer needed?  | N/A                 |
|  | Is additional field engineering time needed?  | N/A                 |
|  | Number of Days  | N/A                 |

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

**Antennas**

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

**Primary  
Antenna**

**Existing Antenna Information**

| Section   | Question   | Response           |
|---|--|--------------------|
| <b>Existing Antenna<br/>Description</b>           | Type of change   | Purchase<br>New    |
|   | Antenna Use  | Primary<br>(Main)  |
|   | Description of Use   | N/A                |
|   | Ownership  | Owned              |
|   | Owner  | N/A                |
|   | Site   | N/A                |
|   | Is the existing antenna shared with another station or stations? | No                 |
|   | Is the existing antenna directional?                             | Yes                |
|   | 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  | Class A            |
|   | 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>.....                         | 15.0 kW            |

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|              |                  |
|--------------|------------------|
| Manufacturer |                  |
| Model        | ALP12L2-<br>HSOC |
| Year         | 2015             |

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**Primary  
Antenna**

**New Antenna Costs**

| Section                                       | Question   | Response        |
|---|--|-----------------|
| <b>New Antenna Description</b>                | Use  | Primary (Main)  |
|   | Description of Use   | N/A             |
|   | Change Type  | Purchase New    |
|   | Is this a request for upgraded equipment?                            | No              |
|   | Ownership  | Owned           |
|   | Owner  | N/A             |
|   | Is antenna shared?   | No              |
|   | Is antenna directional?  | Yes             |
|   | Will antenna be located on or in close proximity to an antenna farm? | No              |
| <b>New Antenna<br/>Manufacturer and Types</b> | Class  | Class A         |
|   | Mounting   | Side Mount      |
|   | Antenna position in stack  | Not in Stack    |
|   | Polarization   | Horizontal      |
|   | Type   | Slotted Coaxial |
|   | Number of Stations Supported   | N/A             |
|   | Number of Panels/Bays  | N/A             |
|   | Lower Limit  | N/A             |
|   | Upper Limit  | N/A             |
|   | Design power capacity in use   | N/A             |
|   | Other Antenna Type   | N/A             |
|   | ERP: (Effective Radiated Power)                                      | 15.0 kW         |
|   | Manufacturer   | DLP-12B         |

|                               |  |
|-------------------------------|--|
| Year                          | 2018   |
| Justification for New Antenna | Existing antenna cannot be returned from channel 28 to channel 18. A new antenna will be required. |

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

**Primary  
Antenna**

**Other Antenna Cost Not Listed**

Information not provided.

**Transmission  
Line**

| Section                               | Question  | Response |
|---------------------------------------|---|----------|
| Transmission Line<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<br>New     |
|   | Use  | Primary<br>(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   | Flexible<br>Foam    |
|   | Diameter   | 1 5/8<br>inches     |
|   | Other Diameter   | N/A                 |
|   | Segment Length   | N/A                 |
|   | Other Segment Length   | N/A                 |
|   | Number of parallel runs  | 1                   |
|   | Length   | 150 feet<br>per run |

**Primary  
Transmission  
Line**

**New Transmission Line**

| Section                                   | Question  | Response         |
|---|---|------------------|
| <p><b>New Transmission Line Costs</b></p> | Use   | Primary (Main)   |
|   | Description of Use  | N/A              |
|   | Change Type   | Purchase New     |
|   | Is this a request for upgraded equipment?   | No               |
|   | Type  | Flexible Air     |
|   | Diameter  | 1 5/8 inches     |
|   | Other Diameter  | N/A              |
|   | Segment Length  | N/A              |
|   | Other Segment Length  | N/A              |
|   | Number of parallel runs   | 1                |
|   | Length  | 450 feet per run |
| Justification for New Transmission Line   | Existing transmission line will be on-air while new facilities for new channel 18 are being built. New location facility will require new transmission line in order to remain constantly on the air. |                  |

**Primary**      **Other Transmission Line Expenses Not Listed**  
**Transmission**      information not provided.  
**Line**

**Tower Equipment And Rigging Costs**

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

**Primary Tower**

**Add Tower**

| Section  | Question  | Response          |
|--|---|-------------------|
| Existing Tower Description                         | Type of change  | Modify Existing   |
|  | Tower Use   | Primary (Main)    |
|  | Description of Use                                      | N/A               |
|  | Ownership   | Leased            |
|  | Is this tower consider Complex?                         | No                |
|  | Is this tower currently shared with any other stations? | No                |
|  | One or more FM, AM or TV radio broadcaster(s)           | N/A               |
|  | Others Types of Users                                   | N/A               |
|  | Is tower documented for structural analysis?            | Yes               |
|  | Is tower compliant with Rev G?                          | Yes               |
| Existing Tower Structure Registration              | Do you have a tower registration number?                | Yes               |
|  | ASR Number  | 1018015           |
| Coordinates (NAD83 (North American Datum of 1983)) | Latitude (NAD83)  | 40° 06' 53.8" N-  |
|  | Longitude (NAD83)                                       | 082° 58' 55.3" W- |
|  | Overall Structure Height                                | 291.01 feet       |
|  | Support Structure Height                                | 285.10 feet       |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 919.94 feet       |



|                  |  |
|------------------|--|
| Structure Type   | TOWER - Free Standing or Guyed Structure |
| Tower Owner      | New Par                                  |
| Date Constructed | 08/06/2008                               |

**Primary Tower**

**Tower Modification Costs**

| Section              | Question   | Response                          |
|----------------------|--|-----------------------------------|
| Engineering Study    | Please what type of engineering study is required, if any: | Study needed for documented tower |
| Tower Reinforcements | Please select whether tower reinforcements are needed:     | No reinforcements needed          |

**Primary Tower**

**Tower Rigging Costs**

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

**Primary Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Primary Tower**

**Existing Tower**

| Section  | Question  | Response                                 |
|--|---|--|
| <b>Existing Tower Description</b>                          | Type of change  | Move Equipment                           |
|  | 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? | No                                       |
|  | One or more FM, AM or TV radio broadcaster(s)           | N/A                                      |
|  | Others Types of Users                                   | N/A                                      |
|  | Is tower documented for structural analysis?            | No                                       |
|  | Is tower compliant with Rev G?                          | No                                       |
| <b>Existing Tower Structure Registration</b>               | Do you have a tower registration number?                | No                                       |
|  | ASR Number  |  |
| <b>Coordinates (NAD83 ( North American Datum of 1983))</b> | Latitude (NAD83)  | 40° 37' 39.21" N-                        |
|  | Longitude (NAD83)                                       | 083° 07' 47.7" W-                        |
|  | Overall Structure Height                                | 51.80 feet                               |
|  | Support Structure Height                                | 51.80 feet                               |
|  | Ground Elevation Above Mean Sea Level (AMSL)            | 296.90 feet                              |
|  | Structure Type  | TOWER - Free Standing or Guyed Structure |
|  | Tower Owner   | Radio Communications of Ohio             |
|  | Date Constructed  | 06/20/1978                               |

**Primary  
Tower**

**Tower Rigging Costs**

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

**Primary  
Tower**

**Other Tower Expenses Not Listed**

Information not provided.

**Outside Professional Services Costs**

| Section   | Question   | Response  |
|---|--|---|
| <b>Outside Project Management Services</b>        | Do you require outside project management services?                          | Yes   |
|   | Number of Hours  | 595   |
|   | Explanation  | reimbursement filing, expense tracking, vendor coordination, progress reporting, budget creation, budget review, budget tracking, daisy-chain monitoring and all other activities necessary |
| <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   | 1   |
|   | 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   | 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                                   | Yes |
|  | Additional Field Engineering Service                       | No  |
|  | Number of Days   | N/A |
|  | Justification  | N/A |

**Other Professional Services Expenses Not Listed**

**Outside  
Professional  
Services  
Costs**

Information not provided.

**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   | Yes      |
|                                     | 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? | No       |
|                                     | Does this relocation require Equipment Storage?  | Yes      |
|                                     | Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?     | Yes      |
|                                     | Does this relocation require MVPD Notification of a Channel Change?  | Yes      |

**Other  
Expenses**

**Other Expenses Not Listed**

Information not provided.



**Cost Information**

**Transmitters**

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

| Description   | Predetermined Cost Estimate | Estimated Cost      | Estimated Cost Justification  | Actual Cost        | Actual Cost Justification |
|---|-----------------------------|---------------------|---|--------------------|---------------------------|
| <b>Primary Transmitter TRN-5X-U-38-C</b>                  | <b>\$234,230.00</b>         | <b>\$126,934.73</b> |   | <b>\$30,478.39</b> |                           |
| Other -- Building Addition Size: 100.0                    | <i>\$6,000.00</i>           | \$6,000.00          | N/A   | \$94.37            | N/A                       |
| Other -- HVAC Service Type: H Size:5 (Other)              | <i>\$19,250.00</i>          | \$19,250.00         | N/A   | N/A                | N/A                       |
| 2" Rigid Conduit and Wiring (Cost per foot)               | \$780.00                    | \$750.00            | N/A   | \$192.46           | N/A                       |
| Switchgear - industrial 800 amp                           | \$38,200.00                 | \$36,300.00         | N/A   | N/A                | N/A                       |
| Service entrance 3 phase/800 amp/208 volt                 | \$14,400.00                 | \$13,700.00         | N/A   | N/A                | N/A                       |
| UHF - Air Cooled Solid State Transmitter 2.501 - 3.999 kW | \$155,600.00                | \$50,934.73         | Please see Estimated Cost Justification WCBZ-CD-110-1st Primary Transmitter - UHF Air | \$30,191.56        | N/A                       |

Cooled  
Solid State  
v0

|                              |              |              |     |              |     |
|------------------------------|--------------|--------------|-----|--------------|-----|
| <b>Sub-total</b>             | \$234,230.00 | \$126,934.73 | N/A | \$30,478.39  | N/A |
| <b>Total for all systems</b> | \$641,780.00 | \$534,047.79 | N/A | \$110,437.04 | N/A |

**Components**

| Actual Information<br>Description               | File Name  |
|---|--|
| Other -- Building Addition<br>Size: 100.0       | <p><b>Component Description:</b> SS Color Scan /<br/>Sq. Ft.</p> <p><b>Amount:</b> \$17.16</p><br><p><b>Component Description:</b> SS Color Scan /<br/>Sq. Ft</p> <p><b>Amount:</b> \$55.76</p><br><p><b>Component Description:</b> SS Color Scan /<br/>Sq. Ft</p> <p><b>Amount:</b> \$21.45</p> |
| Other -- HVAC Service<br>Type: H Size:5 (Other) | Information not provided.  |
| 2" Rigid Conduit and<br>Wiring (Cost per foot)  | <p><b>Component Description:</b> Parts for<br/>transmitting<br/>grounding and AC<br/>wiring</p> <p><b>Amount:</b> \$26.68</p><br><p><b>Component Description:</b> Parts and wiring<br/>supplies for<br/>transmitter</p> <p><b>Amount:</b> \$136.62</p>   |

|   |   |
|---|---|
|   | <p><b>Component Description:</b> Parts for transmission line hangers</p> <p><b>Amount:</b> \$9.64</p> <p><b>Component Description:</b> Parts to complete transmitter conduit work</p> <p><b>Amount:</b> \$19.52</p>   |
| Switchgear - industrial 800 amp                           | <p><b>Component Description:</b> MCI LOCAL /REMOTE 2U PANEL/1-SWITCH</p> <p><b>Amount:</b> \$868.43</p>   |
| Service entrance 3 phase /800 amp/208 volt                | Information not provided.   |
| UHF - Air Cooled Solid State Transmitter 2.501 - 3.999 kW | <p><b>Component Description:</b> Parts for transmitter installation</p> <p><b>Amount:</b> \$25.21</p> <p><b>Component Description:</b> ANDREW 4"BOOT ASSEMBLY FOR 3" CABLE</p> <p><b>Amount:</b> \$56.76</p> <p><b>Component Description:</b> Parts used for transmitter installation</p> <p><b>Amount:</b> \$35.34</p> <p><b>Component Description:</b> Parts for transmitter installation</p> <p><b>Amount:</b> \$26.25</p> |

**Component Description:** Parts for transmitter installation  
**Amount:** \$8.02

**Component Description:** Parts for transmitter installation  
**Amount:** \$12.64

**Component Description:** MYAT 90 DEG. 7  
/8" ELBOW  
UNFLANGED  
**Amount:** \$166.38

**Component Description:** Parts used for transmitter installation  
**Amount:** \$27.01

**Component Description:** Parts for transmitter grounding  
**Amount:** \$12.10

**Component Description:** 3.3kW CH18 Transmitter  
**Amount:** \$24,319.83

**Component Description:** "Additional shipping charges not included on Invoice 0425902 Estimated shipping charge\$671.95, Actual shipping charge: \$766.56"  
**Amount:** \$94.61

**Component Description:** Parts for transmitter installation  
**Amount:** \$90.07

**Component Description:** ANDREW 7/8"  
FOAM  
DIELECTRIC  
HELIAX  
**Amount:** \$586.97

**Component Description:** ANDREW 7/8" EIA  
FLANGE FOR  
LDF4-50  
**Amount:** \$235.92

**Component Description:** Parts for transmitter installation  
**Amount:** \$44.64

**Component Description:** RECEIVE, STORE,  
DELIVER AND  
SET  
TRANSMITTER.  
**Amount:** \$1,575.00

**Component Description:** Parts used for transmitter installation  
**Amount:** \$11.00

**Component Description:** DTV FULL  
SERVICE MASK  
**Amount:** \$2,863.81

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**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>Primary Antenna DLP-12B</b>                                     | <b>\$33,030.00</b>          | <b>\$31,400.00</b>  |                              | <b>\$10,593.83</b>  |                           |
| UHF - Lower Power Side Mount, Class A One Station antenna -- basic | \$26,300.00                 | \$25,000.00         | N/A                          | \$10,593.83         | N/A                       |
| Sweep test of existing antenna                                     | \$6,730.00                  | \$6,400.00          | N/A                          | N/A                 | N/A                       |
| <b>Sub-total</b>   | <b>\$33,030.00</b>          | <b>\$31,400.00</b>  | <b>N/A</b>                   | <b>\$10,593.83</b>  | <b>N/A</b>                |
| <b>Total for all systems</b>                                       | <b>\$641,780.00</b>         | <b>\$534,047.79</b> | <b>N/A</b>                   | <b>\$110,437.04</b> | <b>N/A</b>                |

**Components**

| Actual Information   |   |
|--|---|
| Description  | File Name   |
| UHF - Lower Power Side Mount, Class A One Station antenna -- basic | <p><b>Component Description:</b> Parts for coax passthrough</p> <p><b>Amount:</b> \$9.23</p> <p><b>Component Description:</b> ANTENNA UHF LOWER POWER SIDE MOUNT</p> <p><b>Amount:</b> \$2,952.67</p> |

|                                |   |
|--------------------------------|---|
|                                | <p><b>Component Description:</b> Downpayment for antenna order</p> <p><b>Amount:</b> \$4,912.50</p> <p><b>Component Description:</b> Parts to hang and secure coax cable</p> <p><b>Amount:</b> \$19.43</p> <p><b>Component Description:</b> SCATTER STUDY FOR STANDARD LEG OF FACE MOUNTS.</p> <p><b>Amount:</b> \$2,700.00</p> |
| Sweep test of existing antenna | <p><b>Component Description:</b> Day labor including travel to sweep antenna prior to operation commencement.</p> <p><b>Amount:</b> \$1,250.00</p>  |

**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 |
|---|-----------------------------|---------------------|---|---------------------|---------------------------|
| <b>Primary Transmission Line</b>                    | <b>\$14,850.00</b>          | <b>\$29,203.06</b>  |   | <b>\$25,550.95</b>  |                           |
| Flexible Air Transmission Line - dielectric, 1 5/8" | \$14,850.00                 | \$29,203.06         | Per Estimated Cost Justification WCBZ-CD-310-Primary Transmission Line-Flexible Air Dielectric Transmission Line v0 | \$25,550.95         | N/A                       |
| <b>Sub-total</b>                                    | <b>\$14,850.00</b>          | <b>\$29,203.06</b>  | N/A   | <b>\$25,550.95</b>  | N/A                       |
| <b>Total for all systems</b>                        | <b>\$641,780.00</b>         | <b>\$534,047.79</b> | N/A   | <b>\$110,437.04</b> | N/A                       |

**Components**

| Actual Information                                  |   |
|---|---|
| Description   | File Name   |
| Flexible Air Transmission Line - dielectric, 1 5/8" | <b>Component Description:</b> MYAT 1 5/8" FLANGE ADAPTER          |
|   | <b>Amount:</b> \$328.84   |
|   | <b>Component Description:</b> MCI 1 5/8" MOTORIZED COAX SW./4PORT |
|   | <b>Amount:</b> \$2,572.41   |



**Component Description:** ANDREW 5' /2 -  
HOLE  
GROUNDING KIT  
**Amount:** \$397.63

**Component Description:** MYAT 3 1/8 to 1 5  
/8 TAPER  
REDUCER  
**Amount:** \$1,076.34

**Component Description:** CABLEWAVE 3  
AIR DIELECTRIC  
LINE ATTEN 12-  
13dB/100 FM  
BAND 40kW  
**Amount:** \$9,611.63

**Component Description:** Low PIM 7/16 DIN  
Male to 7/16  
**Amount:** \$136.67

**Component Description:** MYAT 1 5/8"  
UNFLANGED  
90deg ELBOW  
**Amount:** \$4,137.45

**Component Description:** ANDREW 1 5/8"  
EIA (M) STRAIGHT  
**Amount:** \$367.60

**Component Description:** SWR 7/8" 20' LINE  
SECTION  
UNFLANGED  
**Amount:** \$2,543.84

**Component Description:** BIRD QC CONN 1-  
5/8" FIXED EIA  
FLNG.  
**Amount:** \$251.42

**Component Description:** MYAT 3 1/8 to 1 5  
/8 TAPER  
REDUCER  
**Amount:** \$355.48

**Component Description:** BDI DIGITAL RF  
SENSOR  
PACKAGE  
**Amount:** \$3,627.47

**Component Description:** MYAT 1 5/8"  
FLANGE  
ADAPTER  
**Amount:** \$144.17

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**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 |
|---|-----------------------------|---------------------|---|---------------------|---------------------------|
| <b>Primary Tower TOWER</b>  | <b>\$96,800.00</b>          | <b>\$92,000.00</b>  |   | <b>\$9,116.69</b>   |                           |
| Short Tower (less than 500')                                      | \$84,200.00                 | \$80,000.00         | The new tower will have to be rigged and the transmission line and antenna will be installed. Tower crew will assist in the sweep test. | \$5,016.69          | N/A                       |
| Structural engineering tower load study for well documented tower | \$12,600.00                 | \$12,000.00         | N/A   | \$4,100.00          | N/A                       |
| <b>Primary Tower TOWER</b>  | <b>\$84,200.00</b>          | <b>\$80,000.00</b>  |   | <b>\$0.00</b>       |                           |
| Short Tower (less than 500')                                      | \$84,200.00                 | \$80,000.00         | The existing tower will have to be rigged and all equipment removed.  | N/A                 | N/A                       |
| <b>Sub-total</b>  | <b>\$181,000.00</b>         | <b>\$172,000.00</b> | N/A   | <b>\$9,116.69</b>   | N/A                       |
| <b>Total for all systems</b>                                      | <b>\$641,780.00</b>         | <b>\$534,047.79</b> | N/A   | <b>\$110,437.04</b> | N/A                       |

## Components

| Actual Information           |  |   |
|------------------------------|--|---|
| Description                  | File Name  |   |
| Short Tower (less than 500') | <p><b>Component Description:</b> Work complete 3/12 /19: Antenna/line install</p> <p><b>Amount:</b> \$3,299.80</p>   |   |
|                              | <p><b>Component Description:</b> Work complete 5/6 /19: Remove antenna and line</p> <p><b>Amount:</b> \$1,688.32</p> |   |
|                              | <p><b>Component Description:</b> Parts for coax installation on tower</p> <p><b>Amount:</b> \$28.57</p>              |   |
|                              | <hr/>  |   |
|                              | Structural engineering tower load study for well documented tower  | <p><b>Component Description:</b> Channel 28 Customer Structural ATC Site #/Name: 81865 WORTHINGTON OH2</p> <p><b>Amount:</b> \$1,500.00</p> |
|                              |  | <p><b>Component Description:</b> Channel 28 PE Letter ATC Site # /Name:81865 WORTHINGTON OH2</p> <p><b>Amount:</b> \$750.00</p>             |

|                              |   |
|------------------------------|---|
|                              | <p><b>Component Description:</b> WCBZ-CD Channel<br/>28 RF-NIER/MPE<br/>Report ATC Site #<br/>/Name: 81865<br/>WORTHINGTON<br/>OH2</p> <p><b>Amount:</b> \$1,850.00</p> |
| Short Tower (less than 500') | 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>\$149,980.00</b>         | <b>\$152,425.00</b> |   | <b>\$30,656.75</b> |                           |
| RF Exposure Measurements   | \$21,050.00                 | \$20,000.00         | It is expected that the tower owner will require measurements to be made at time of installation. | 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 - Prepare and File FCC Form 2100 (main), Construction Permit Application | \$5,260.00                  | \$5,000.00          | N/A   | N/A                | N/A                       |

|   |              |              |                                      |              |     |
|---|--------------|--------------|--------------------------------------|--------------|-----|
| Prepare and<br>or review<br>reimbursement<br>form   | \$2,630.00   | \$2,500.00   | N/A                                  | N/A          | N/A |
| Address<br>transition<br>timing and<br>coordination<br>issues w/<br>other stations<br>and wireless        | \$2,630.00   | \$2,500.00   | N/A                                  | N/A          | N/A |
| Perform<br>engineering<br>study for new<br>channel<br>assignment<br>and antenna<br>development            | \$7,360.00   | \$7,000.00   | N/A                                  | \$3,962.50   | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main),<br>Construction<br>Permit<br>Application | \$3,155.00   | \$3,000.00   | N/A                                  | 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 |
| Project<br>management<br>of the transition  | \$94,010.00  | \$99,675.00  | Widely<br>Strategic<br>support quote | \$26,694.25  | N/A |
| Prepare<br>request for<br>Special<br>Temporary<br>Authorization   | \$2,050.00   | \$1,500.00   | N/A                                  | N/A          | N/A |
| <b>Sub-total</b>  | \$149,980.00 | \$152,425.00 | N/A                                  | \$30,656.75  | N/A |
| <b>Total for all</b>  | \$641,780.00 | \$534,047.79 | N/A                                  | \$110,437.04 | N/A |

**Components**

| Actual Information   |  |
|--|--|
| Description  | File Name  |
| RF Exposure Measurements   | Information not provided.  |
| Attorney Fees - Prepare and File request for Special Temporary Authorization           | Information not provided.  |
| Attorney Fees - Negotiation of lease and other matters for shared locations            | <b>Component Description:</b> Prof. Services<br><b>Amount:</b> \$522.00  |
| Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application     | Information not provided.  |
| Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application | Information not provided.  |
| Prepare and or review reimbursement form   | Information not provided.  |
| Address transition timing and coordination issues w/ other stations and wireless       | Information not provided.  |
| Perform engineering study for new channel assignment and antenna development           | <b>Component Description:</b> FOR WORK PERFORMED FROM DECEMBER 1, 2017 TO JULY 31, 2018<br><b>Amount:</b> \$850.00 |



|   |  |
|---|--|
|   | <p><b>Component Description:</b> FOR WORK PERFORMED FROM NOVEMBER 1, 2018 TO FEBRUARY 28, 2019</p> <p><b>Amount:</b> \$200.00</p> <p><b>Component Description:</b> Consulting - Per Hour (Quantity)</p> <p><b>Amount:</b> \$550.00</p> <p><b>Component Description:</b> WMNO- Engineering Repack Service performed by Greg Best</p> <p><b>Amount:</b> \$700.00</p> <p><b>Component Description:</b> WMNO- Engineering Repack Service performed by Greg Best</p> <p><b>Amount:</b> \$1,662.50</p> |
| <p>Prepare engineering section of FCC Form 2100 (main), Construction Permit Application</p> | <p>Information not provided.</p>   |
| <p>Prepare engineering section of FCC Form 2100 (main), License to Cover Application</p>    | <p>Information not provided.</p>   |
| <p>Project management of the transition</p>   | <p><b>Component Description:</b> \$5,879.85</p> <p><b>Amount:</b> \$5,879.85</p>   |

**Component Description:** Consulting - Per Hour (Quantity)  
**Amount:** \$1,150.00

**Component Description:** Project Management  
**Amount:** \$3,441.65

**Component Description:** Retainer for WCBZ-CD, Facility ID 1104 work  
**Amount:** \$1,000.00

**Component Description:** Project Management  
**Amount:** \$201.25

**Component Description:** Project Management  
**Amount:** \$8,206.30

**Component Description:** Project Management  
**Amount:** \$6,815.20

Prepare request for Special Temporary Authorization

Information not provided.

**Cost Information**

**Other Expenses**

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

| Description  | Predetermined Cost Estimate | Estimated Cost     | Estimated Cost Justification                         | Actual Cost       | Actual Cost Justification |
|--|-----------------------------|--------------------|--|-------------------|---------------------------|
| <b>Other Expenses</b>  | <b>\$28,690.00</b>          | <b>\$22,085.00</b> |  | <b>\$1,400.00</b> |                           |
| MVPD Notification of Channel Change                                      | <i>\$1,000.00</i>           | \$1,000.00         | N/A  | N/A               | N/A                       |
| Develop and air announcement of upcoming channel change                  | <i>\$1,000.00</i>           | \$1,000.00         | Cost for production house to produce an announcement | N/A               | N/A                       |
| Equipment Storage  | <i>\$1,000.00</i>           | \$1,000.00         | N/A  | N/A               | N/A                       |
| Disposal Costs (for equipment and other waste, net of any salvage value) | <i>\$2,500.00</i>           | \$2,500.00         | N/A  | N/A               | N/A                       |
| Non-zoning permits   | <i>\$5,000.00</i>           | \$5,000.00         | Obtain building permits from local jurisdictions     | \$1,200.00        | N/A                       |
| Local Zoning   | <i>\$5,000.00</i>           | \$5,000.00         | N/A  | 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                                      | \$335.00                    | \$325.00           | N/A  | N/A               | N/A                       |

to cover  
application

|   |              |              |     |              |     |
|---|--------------|--------------|-----|--------------|-----|
| DTV Medical Facility Notification                       | \$11,550.00  | \$5,000.00   | N/A | \$200.00     | N/A |
| FCC Filing Fees - Form 2100 minor change CP application | \$1,110.00   | \$1,070.00   | N/A | N/A          | N/A |
| <b>Sub-total</b>  | \$28,690.00  | \$22,085.00  | N/A | \$1,400.00   | N/A |
| <b>Total for all systems</b>                            | \$641,780.00 | \$534,047.79 | N/A | \$110,437.04 | N/A |

## Components

| Actual Information   |  |
|--|--|
| Description  | File Name  |
| MVPD Notification of Channel Change                                      | Information not provided.  |
| Develop and air announcement of upcoming channel change                  | Information not provided.  |
| Equipment Storage  | Information not provided.  |
| Disposal Costs (for equipment and other waste, net of any salvage value) | Information not provided.  |
| Non-zoning permits   | <p><b>Component Description:</b> Zoning application</p> <p><b>Amount:</b> \$1,200.00</p> |
| Local Zoning   | Information not provided.  |
| FCC Filing Fees - Special Temporary Authorization request                | Information not provided.  |
| FCC Filing Fees - Form 2100 license to cover application                 | Information not provided.  |
| DTV Medical Facility   |  |

Notification

**Component Description:**

Postage for  
Medical  
Notification  
Mailing

**Amount:**

\$200.00

FCC Filing Fees - Form 2100  
minor change CP application

Information not provided.

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

|                              | <b>Predetermined Cost Estimate</b> | <b>Estimated Cost</b> | <b>Actual Cost</b> |
|------------------------------|------------------------------------|-----------------------|--------------------|
| <b>Total for all systems</b> | \$641,780.00                       | \$534,047.79          | \$110,437.04       |

**Reimbursement Status**

| <b>Question</b>  | <b>Response</b> |
|--|-----------------|
| The facility has ceased operating on its pre-auction channel.  | Yes             |
| 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 |
|---------------|---|--|----------|
|               | <p><b>Submission of Estimated Expenses Statements</b></p> | <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.

**Mark A  
Hiner**  
*President*

10/25/2019



| Certification | Section   | Question  | Response |
|---------------|---|---|----------|
|               | <b>Submission of Actual Cost Documentation Statements</b> | <p>WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).</p>  |          |
|               |   | <ol style="list-style-type: none"> <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> <li>4. The above-named entity acknowledges the submission of the information herein</li> </ol> |          |

creates no obligation on the part of the government to pay any amount.

5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD) .
6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.
8. The above-named entity acknowledges that overpayments or payments in error

|  |   |
|--|---|
| <p>must be promptly refunded to the Commission.</p> <p>9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.</p> |   |
| <p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>  | <p><b>Mark A Hiner</b><br/><i>President</i></p> <p>10/25/2019</p> |

**Attachments**