

Federal Communications Commission

#### (REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

| Facility         | 68549    | Service: DCA | Call  | WOHL-CD | Channel: 15 (UHF) |
|------------------|----------|--------------|-------|---------|-------------------|
| ID:              |          |              | Sign: |         |                   |
| File             | 000002   | 8557         |       |         |                   |
| Number:          |          |              |       |         |                   |
| FRN: <b>00</b> ′ | 18282269 | Date         | 08/30 |         |                   |
|                  |          | Submitted:   | /2018 |         |                   |

#### Applicant Name, Type, and Contact Information

#### Applicant Information

| Applicant                               | Address                           | Phone                | Email               | Applicant<br>Type |
|---|-----------------------------------|----------------------|---------------------|-------------------|
| WEST CENTRAL OHIO<br>BROADCASTING, INC. | Fred Vobbe<br>1424 RICE<br>AVENUE | +1 (419)<br>228-8835 | fvobbe@wlio.<br>com | Corporation       |
|   | LIMA, OH<br>45805                 |                      |                     |                   |
|   | United<br>States                  |                      |                     |                   |

#### Reimbursement Contact Name and Information Reimbursement Contact Information

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

| Preparer               | Preparer Contact Name and Information  |  |                       |                     |  |
|------------------------|--|--|-----------------------|---------------------|--|
| Contact<br>Information | Applicant  | Address  | Phone                 | Email               |  |
|                        | <b>Frederick R Vobbe</b><br>VP and Chief Operator<br>West Central Ohio Broadcasting,<br>Inc. | Frederick R<br>Vobbe<br>1424 Rice<br>Avenue<br>Lima, OH 45805<br>United States | +1 (419) 228-<br>8835 | fvobbe@wlio.<br>com |  |

| Broadcaster                              | Question   | Response  |
|--|--|---|
| Information<br>and<br>Transition<br>Plan | Will the station be sharing equipment with<br>another broadcast television station or<br>stations (e.g., a shared antenna, co-location<br>on a tower, use of the same transmitter<br>room, multiple transmitters feeding a<br>combiner, etc.)? If yes, enter the facility ID's<br>of the other stations and click 'prefill' to<br>download those stations' licensing<br>information. | Yes   |
|  | Briefly describe transition plan   | WOHL-CD will require a new transmitter<br>site as the present tower failed structual<br>analysis. The FCC has before them<br>WOHL's Request for Waiver of Initial<br>Construction Permit Filing Deadline,<br>granted 7/12/17. |

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

| Primary     | Existing Transmitter Information    |  |                   |  |  |
|-------------|-------------------------------------|--|-------------------|--|--|
| Transmitter | Section                             | Question   | Response          |  |  |
|             | Existing Transmitter<br>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   |                   |  |  |
|             | Manufacturer and Type               | Model  | LU500BTD          |  |  |
|             |                                     | Year   | 2009              |  |  |
|             |                                     | Туре   | Solid State       |  |  |
|             |                                     | Solid State Cooling  | Air Cooled        |  |  |
|             |                                     | Solid State Power Capacity                                 | .5 kW             |  |  |

**Existing Transmitter Information** 

| Primary     | New Transmitter Costs |   |   |  |  |
|-------------|-----------------------|---|---|--|--|
| Transmitter | Section               | Question                                  | Response  |  |  |
|             | New Transmitter       | Use                                       | Primary<br>(Main)   |  |  |
|             |                       | Change Type                               | Purchase<br>New   |  |  |
|             |                       | Is this a request for upgraded equipment? | No  |  |  |
|             |                       | Manufacturer                              |   |  |  |
|             |                       | Model                                     | ULXTE-20  |  |  |
|             |                       | Transmitter Type                          | Solid State   |  |  |
|             |                       | Solid State Cooling                       | Liquid<br>Cooled  |  |  |
|             |                       | Solid State Power capacity                | 8.5 kW  |  |  |
|             |                       | Justification for New Transmitter         | WOHL's<br>present<br>transmitter<br>can not<br>make the<br>TPO<br>needed for<br>100%<br>replication<br>of service<br>contour. |  |  |

#### Other Transmitter Costs

| Primary     | Other Transmitter Costs |                                       |          |  |  |
|-------------|-------------------------|---------------------------------------|----------|--|--|
| Transmitter | Section                 | Question                              | Response |  |  |
|             | Electrical Service      | Service Entrance (3 phases 800A 208V) | Yes      |  |  |
|             |                         | Switchgear (industrial 800 amp)       | Yes      |  |  |
|             |                         | Transformer (480V)                    | Yes      |  |  |
|             |                         | Power                                 | 150 kVA  |  |  |
|             |                         | Rigid Conduit and Wiring              | Yes      |  |  |
|             |                         | Size                                  | 3 inches |  |  |
|             |                         |                                       |          |  |  |

|   | Length   | 100.0 feet                |
|---|--|---------------------------|
|   | Other Electrical Service   | No                        |
|   | Description  | N/A                       |
| HVAC Service  | Does the replacement transmitter require HVAC Service?                                       | Yes                       |
|   | Туре   | Heating<br>and<br>Cooling |
|   | Size   | 20 tons                   |
|   | Other Size   | N/A                       |
| Transmitter Building<br>Addition/Modification or<br>Leasehold Improvement | Does the Transmitter Building require an addition, modification, other leashold improvement? | Yes                       |
|   | Size   | 1600.0<br>square feet     |
| Channel 14 Costs  | Is an RF Consulting Engineer needed?   | N/A                       |
|   | Is a channel 14 Mask Filer needed?   | N/A                       |
|   | Is additional field engineering time needed?   | N/A                       |
|   | Number of Days   | N/A                       |

#### Other Transmitter Cost Not Listed

| Primary     | Other Transmitter Cost Not Listed |  |  |  |
|-------------|-----------------------------------|--|--|--|
| Transmitter | Name                              | Description  |  |  |
|             | Electrical                        | Parallel Surge Supressor and a 75 Kva<br>Transformer three phase 480vDelta Primary   |  |  |
|             | Installation and Proof            | Installation of Transmitter system   |  |  |
|             | State and local sales tax         | State and Local sales tax  |  |  |
|             | Remote ControlSystem              | Remote Control System  |  |  |
|             | Shipping Expense                  | Shipping expense for transmitter   |  |  |
|             | New Transmitter Site              | WOHL-CD will need to move from the present transmitter site to a new site. A building to house the transmitter will be required. |  |  |

| Antennas Section |               | Question                              | Response |
|------------------|---------------|---------------------------------------|----------|
| Antenna Rela     | ated Expenses | Do you have antenna related expenses? | Yes      |

| Primary | Existing Antenna Information    |  |                    |  |
|---------|---------------------------------|--|--------------------|--|
| Antenna | Section                         | Question   | Response           |  |
|         | Existing Antenna<br>Description | 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                 |  |
|         | Existing Antenna                | Class  | Full Power         |  |
|         | Manufacturer and Type           | Mounting   | Top Mount          |  |
|         |                                 | Antenna position in stack  | Тор                |  |
|         |                                 | Polarization   | Horizontal         |  |
|         |                                 | Туре   | 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)                                  | 9.0 kW             |  |

| Manufacturer |          |
|--------------|----------|
| Model        | TFU-30JA |
| Year         | 1986     |

| Primary | New Antenna Costs                     |  |                    |  |
|---------|---------------------------------------|--|--------------------|--|
| Antenna | Section                               | Question   | Response           |  |
|         | New Antenna Description               | Use  | Primary<br>(Main)  |  |
|         |                                       | Description of Use   | N/A                |  |
|         |                                       | Change Type  | Purchase<br>New    |  |
|         |                                       | Is this a request for upgraded equipment?                            | Yes                |  |
|         |                                       | Ownership  | Owned              |  |
|         |                                       | Owner  | N/A                |  |
|         |                                       | Is antenna shared?   | No                 |  |
|         |                                       | Is antenna directional?  | No                 |  |
|         |                                       | Will antenna be located on or in close proximity to an antenna farm? | No                 |  |
|         | New Antenna<br>Manufacturer and Types | Class  | Class A            |  |
|         |                                       | Mounting   | Top Mount          |  |
|         |                                       | Antenna position in stack  | Тор                |  |
|         |                                       | Polarization   | Circular           |  |
|         |                                       | Туре   | 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)                                      | 15.0 kW            |  |
|         |                                       | Manufacturer   |                    |  |
|         |                                       |  | 1                  |  |

| Model                         | ATW6H3-<br>CTC3-15H   |
|-------------------------------|---|
| Year                          | 2017  |
| Justification for New Antenna | WOHL-CD<br>will move to<br>a new<br>tower site<br>due to<br>structural<br>issues on<br>the present<br>tower. New<br>antenna is<br>circular<br>polarized,<br>difference<br>of \$15,500<br>from the<br>cost of a<br>horizontally<br>polarized<br>antenna. |

#### Other Antenna Costs

Primary Antenna

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

|                          | Feed Line Size  | 3 1/8<br>inche<br>inche |
|--------------------------|---|-------------------------|
| Side Mount Brackets      | Do you require the separate purchase of<br>side mount brackets for a high power<br>antenna?                 | No                      |
| Pattern Scatter Analysis | Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna? | No                      |
| Sweep Test               | Do you require the sweep testing of transmission line and antenna?  | Yes                     |

| Primary<br>Antenna | Other Antenna Cost Not Listed |   |  |
|--------------------|-------------------------------|---|--|
|                    | Name                          | Description   |  |
|                    | RF Switch                     | RF switch to change transmitter from antenna to dummy load for testing. |  |
|                    | Shipping cost                 | Shipping cost   |  |

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

| ransmissio | Section  | Question   | Response            |
|------------|--|--|---------------------|
|            | Existing Transmission<br>Line 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 the existing transmission line shared with another station or stations? | No                  |
|            |  | Is Transmission Line in operating condition?                               | Yes                 |
|            | Existing Transmission<br>Line Manufacturer and<br>Type | Manufacturer   |                     |
|            |  | Туре   | Rigid               |
|            |  | Diameter   | 6 1/8<br>inches     |
|            |  | Other Diameter   | N/A                 |
|            |  | Segment Length   | 20 inches           |
|            |  | Other Segment Length   | N/A                 |
|            |  | Number of parallel runs  | 1                   |
|            |  | Length   | 560 feet<br>per run |

# Primary Existing Transmission Line

| Primary     | New Transmission Line          |   |  |  |
|-------------|--------------------------------|---|--|--|
| Transmissio | n Line<br>Section              | Question                                  | Response   |  |
|             | New Transmission Line<br>Costs | Use                                       | Primary<br>(Main)  |  |
|             |                                | Description of Use                        | N/A  |  |
|             |                                | Change Type                               | Purchase<br>New  |  |
|             |                                | Is this a request for upgraded equipment? | Yes  |  |
|             |                                | Туре                                      | Rigid  |  |
|             |                                | Diameter                                  | 3 1/8<br>inches  |  |
|             |                                | Other Diameter                            | N/A  |  |
|             |                                | Segment Length                            | 20 inches  |  |
|             |                                | Other Segment Length                      | N/A  |  |
|             |                                | Number of parallel runs                   | 1  |  |
|             |                                | Length                                    | 650 feet<br>per run  |  |
|             |                                | Justification for New Transmission Line   | WOHL-CD<br>will move to<br>a new<br>transmitter<br>site<br>because of<br>structural<br>problems<br>with<br>present<br>tower. |  |

# Other Transmission Line Expenses Not Listed Transmission

| ransmissior | n <sub>Name</sub> | Description   |
|-------------|-------------------|---|
|             | Ice Bridge        | Transmission line will need to be supported between tower and building and protected from ice fall. |

| Gas Barrier | Transmission line will need to be |
|-------------|-----------------------------------|
|             | pressurized from antenna to bldg. |

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

## Primary Existing Tower

| • | • |   | IC | u | y |  |
|---|---|---|----|---|---|--|
| Т | 0 | W | e  | r |   |  |

| Section                        | Question  | Response                                       |
|--------------------------------|---|--|
| Existing Tower                 | Type of change  | Construct New                                  |
| Description                    | Tower Use   | Primary (Main)                                 |
|                                | Description of Use                                      | N/A  |
|                                | Ownership   | Owned  |
|                                | Is this tower consider Complex?                         | No   |
|                                | Is this tower currently shared with any other stations? | Yes  |
|                                | One or more FM, AM or TV radio broadcaster(s)           | Yes  |
|                                | Others Types of Users                                   | No   |
|                                | Is tower documented for structural analysis?            | Yes  |
|                                | Is tower compliant with Rev G?                          | No   |
| Existing Tower                 | Do you have a tower registration number?                | Yes  |
| Structure<br>Registration      | ASR Number  | 1014519  |
| Coordinates (                  | Latitude (NAD83)  | 40° 44' 51.2" N-                               |
| NAD83 (North<br>American Datum | Longitude (NAD83)                                       | 084° 07' 54.3" W-                              |
| of 1983))                      | Overall Structure Height                                | 548.88 feet                                    |
|                                | Support Structure Height                                | 499.99 feet                                    |
|                                | Ground Elevation Above Mean Sea Level (AMSL)            | 870.07 feet                                    |
|                                | Structure Type  | TOWER - Free<br>Standing or Guyed<br>Structure |

| Tower Owner      | LIMA<br>COMMUNICATIONS<br>CORPORATION |
|------------------|---------------------------------------|
| Date Constructed | 12/01/2004                            |

#### 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 |
|-------------|-----------|---------|
| 37503       | WLIO      | DTV     |

| Primary<br>Tower | Tower Construction Costs |   |  |  |
|------------------|--------------------------|---|--|--|
|                  | Section                  | Question                                  | Response   |  |
|                  | Construct New Tower      | Use                                       | Primary<br>(Main)  |  |
|                  |                          | Description of Use                        | N/A  |  |
|                  |                          | Is this a request for upgraded equipment? | Yes  |  |
|                  |                          | Height                                    | 500.00 feet  |  |
|                  |                          | Justification for New Tower               | WOHL-CD<br>is moving<br>to a new<br>tower, and<br>site. The<br>present<br>tower did<br>not pass<br>analysis.<br>There is no<br>land at<br>present<br>location to<br>build new<br>tower,<br>which is in<br>urban<br>/residential<br>area. |  |

# Primary Tower Rigging Costs

Tower

# SectionQuestionResponseTower Rigging CostsComplex TowerOtherHelicopter Services<br/>RequiredAre helicopter services required?No

| Primary<br>Tower | Other Tower Expenses Not Listed |               |  |
|------------------|---------------------------------|---------------|--|
|                  | Name                            | Description   |  |
|                  | Shipping cost                   | Shipping cost |  |

| Ground System                 | Upgraded ground system, 100' x 100' to prevent lightning damage.  |
|-------------------------------|---|
| STL Antenna-Installation cost | WOHL-CD will require an STL to feed<br>programming to and to control the<br>transmitter. A TSL is needed to return News<br>ENG program streams along with metering<br>and status data from transmitter, and<br>security monitoring. |

| Outside<br>Professional | Section  | Question   | Response   |
|-------------------------|--|--|--|
|                         | I Services Costs<br>Outside Project<br>Management Services | Do you require outside project management services?                          | Yes  |
|                         |  | Number of Hours  | 1000   |
|                         |  | Explanation  | WOHL will<br>move to a new<br>location, and<br>build a new<br>tower. To<br>obtain<br>replication of<br>coverage, the<br>station will<br>have to<br>undergo<br>comprehensive<br>engineering<br>and legal<br>analysis, and<br>testing during<br>the<br>construction. |
|                         | Outside RF consulting<br>Engineering Services              | Perform engineering study for new channel assignment and antenna development | Yes  |
|                         |  | Prepare engineering section of Form FCC<br>Construction Permit Application   | Yes  |
|                         |  | For Auxiliary Facility   | No   |
|                         |  | For Main Facility  | Yes  |
|                         |  | Prepare engineering section of Form FCC<br>License to Cover Application      | Yes  |
|                         |  | For Auxiliary Facility   | No   |
|                         |  | For Main Facility  | Yes  |
|                         |  | Prepare request for Special Temporary<br>Authority                           | Yes  |
|                         |  | Quantity   | 1  |
|                         |  | Do you have Distributed Transmission<br>System engineering services?         | N/A  |

|  | Critical Facility  | N/A |
|--|--|-----|
|  | Terrain-Shielded Facility  | N/A |
| Attorney and Other<br>Outside Consulting | Prepare and file Form FCC Construction<br>Permit Application                               | Yes |
| Services                                 | 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<br>Authority   | Yes |
|  | Quantity   | 2   |
|  | NEPA Section 106 environmental review  | Yes |
|  | Environmental Assessment   | Yes |
|  | ASR Modification   | Yes |
|  | FAA Consultation (including preparation of FAA Form 7460)                                  | Yes |
|  | Negotiation of Lease and other Matter for Shared Locations                                 | No  |
|  | Prepare or Review FCC Form 399 for Reimbursement   | Yes |
|  | Address transition timing and coordination issues w/ other stations and wireless providers | Yes |
| RF Field Engineering<br>Services         | Comprehensive coverage verification via field study  | Yes |
|  | RF exposure measurements   | No  |
|  | Additional Field Engineering Service   | No  |
|  | Number of Days   | N/A |
|  | Justification  | N/A |

# Outside Other Professional Services Expenses Not Listed

| Professional | Services Costs           | Description   |
|--------------|--------------------------|---|
|              | Microwave License Study  | The STL will require a path study for coordination of license.          |
|              | Public Utility Analysis  | Transmitter site must have proper power and telco services at new site. |
|              | RF Consultant D. Everist | RF Consultant that files engineering studies<br>on behalf of WOHL-CD    |

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

## Other Expenses Not Listed

Other Expenses

| Name                         | Description   |
|------------------------------|---|
| Microwave Receive Site ENG   | WOHL will need to construct q new ENG<br>Microwave Receive system and place it in<br>service before the old site can be<br>decommissioned due to public and network<br>commitments to news. |
| Translator                   | Fill in for coverage lost on move.  |
| STL-TSL system               | 6/7 Ghz microwave receive transmitter,<br>receiver, antennas and transmission lines to<br>link the studio the new transmitter site  |
| Field Strength Tests         | WOHL will conduct field signal tests on<br>present channel, and repacked channel to<br>make sure signal meets service contour.  |
| Generator                    | WOHL's transmitter presently shares a generator with the studios and offices of WOHL. The move would leave WOHL without backup power in an emergency.                                       |
| IP Switch for STL-TSL system | Switch control for the transmitter  |

### Transmitters

#### Cost Information

| Description  | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual Cost    | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|--|----------------|------------------------------|
| Primary<br>Transmitter<br>ULXTE-20                   | \$1,903,104.84                 | \$1,801,370.84    |  | \$1,022,821.10 |                              |
| New<br>Transmitter<br>Site                           | \$1,022,821.10                 | \$1,022,821.10    | Purchase<br>price of<br>land for<br>new<br>transmitter<br>site. See<br>Settlement<br>Statement.  | \$1,022,821.10 | N/A                          |
| Shipping<br>Expense                                  | \$5,400.00                     | \$5,400.00        | N/A  | \$0.00         | N/A                          |
| Installation<br>and Proof                            | \$31,616.00                    | \$31,616.00       | N/A  | \$0.00         | N/A                          |
| Electrical   | \$4,226.38                     | \$4,226.38        | N/A  | \$0.00         | N/A                          |
| Other<br>Building<br>Addition Size:<br>1600.0        | \$104,757.00                   | \$104,757.00      | See Exhibit<br>A-<br>Explanation<br>regarding<br>costs<br>associated<br>with the<br>construction<br>of a new<br>transmitter<br>building. | \$0.00         | N/A                          |
| 20 Ton<br>system                                     | \$115,500.00                   | \$102,500.00      | N/A  | \$0.00         | N/A                          |
| 3" Rigid<br>Conduit and<br>Wiring (Cost<br>per foot) | \$5,200.00                     | \$4,750.00        | N/A  | \$0.00         | N/A                          |

| Transformer 3<br>phase/480v -<br>150 KVA                            | \$25,550.00    | \$24,000.00    | N/A | \$0.00         | N/A |
|---|----------------|----------------|-----|----------------|-----|
| Switchgear -<br>industrial 800<br>amp                               | \$38,200.00    | \$36,000.00    | N/A | \$0.00         | N/A |
| Service<br>entrance 3<br>phase/800<br>amp/208 volt                  | \$14,400.00    | \$13,500.00    | N/A | \$0.00         | N/A |
| UHF - Liquid<br>Cooled Solid<br>State<br>Transmitter<br>8.2 - 13 kW | \$494,500.00   | \$410,866.00   | N/A | \$0.00         | N/A |
| Remote<br>ControlSystem   | \$9,190.50     | \$9,190.50     | N/A | \$0.00         | N/A |
| State and local sales tax   | \$31,743.86    | \$31,743.86    | N/A | \$0.00         | N/A |
| Sub-total   | \$1,903,104.84 | \$1,801,370.84 | N/A | \$1,022,821.10 | N/A |
| Total for all systems   | \$3,776,950.36 | \$3,524,056.36 | N/A | \$1,022,821.10 | N/A |

| Actual Information<br>Description       | File Name                 |   |
|---|---------------------------|---|
| New Transmitter Site                    |                           |   |
|   | Component Description:    | Settlement<br>Statement for New<br>Transmitter site |
|   | Amount:                   | \$1,022,821.10                                      |
| Shipping Expense                        | Information not provided. |   |
| Installation and Proof                  | Information not provided. |   |
| Electrical                              | Information not provided. |   |
| Other Building Addition<br>Size: 1600.0 | Information not provided. |   |

| 20 Ton system   | Information not provided. |
|---|---------------------------|
| 3" Rigid Conduit and Wiring (Cost per foot)                   | Information not provided. |
| Transformer 3 phase/480v -<br>150 KVA                         | Information not provided. |
| Switchgear - industrial 800<br>amp                            | Information not provided. |
| Service entrance 3 phase<br>/800 amp/208 volt                 | Information not provided. |
| UHF - Liquid Cooled Solid<br>State Transmitter 8.2 - 13<br>kW | Information not provided. |
| Remote ControlSystem  | Information not provided. |
| State and local sales tax                                     | Information not provided. |

#### Antennas

#### Cost Information

| Description   | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification | Actual Cost | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|------------------------------------|-------------|------------------------------|
| Primary<br>Antenna<br>ATW6H3-<br>CTC3-15H   | \$211,908.65                   | \$211,228.65      |                                    | \$0.00      |                              |
| Elbow<br>complex,<br>single<br>channel,<br>at antenna<br>input, per<br>3 1/8.<br>feedline (if<br>needed)  | \$7,600.00                     | \$7,400.00        | N/A                                | \$0.00      | N/A                          |
| UHF -<br>Lower<br>Power,<br>Top<br>Mount,<br>Class A,<br>basic slot<br>antenna,<br>15 kW<br>input,<br>elliptically<br>or<br>circularly<br>polarized | \$188,000.00                   | \$188,000.00      | N/A                                | \$0.00      | N/A                          |
| Shipping<br>cost  | \$2,963.65                     | \$2,963.65        | N/A                                | \$0.00      | N/A                          |
| RF Switch   | \$6,615.00                     | \$6,615.00        | N/A                                | \$0.00      | N/A                          |
| Sweep<br>test of<br>existing<br>antenna   | \$6,730.00                     | \$6,250.00        | N/A                                | \$0.00      | N/A                          |
| Sub-total   | \$211,908.65                   | \$211,228.65      | N/A                                | \$0.00      | N/A                          |

#### **Transmission Line**

#### Cost Information

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

| Description                                       | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification        | Actual Cost    | Actual Cost<br>Justification |
|---|--------------------------------|-------------------|---|----------------|------------------------------|
| Primary<br>Transmission<br>Line                   | \$117,244.86                   | \$148,644.86      |   | \$0.00         |                              |
| Gas Barrier                                       | \$1,207.00                     | \$1,207.00        | N/A                                       | \$0.00         | N/A                          |
| Rigid<br>Transmission<br>Line -<br>copper, 3 1/8" | \$67,600.00                    | \$99,000.00       | 3-1/8" 50-<br>ohm<br>transmission<br>line | \$0.00         | N/A                          |
| Ice Bridge  | \$48,437.86                    | \$48,437.86       | N/A                                       | \$0.00         | N/A                          |
| Sub-total   | \$117,244.86                   | \$148,644.86      | N/A                                       | \$0.00         | N/A                          |
| Total for all systems                             | \$3,776,950.36                 | \$3,524,056.36    | N/A                                       | \$1,022,821.10 | N/A                          |

#### Components

### **Tower Equipment and Rigging Costs**

#### Cost Information

| Description  | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual Cost | Actual Cost<br>Justification |
|--|--------------------------------|-------------------|--|-------------|------------------------------|
| Primary<br>Tower<br>TOWER  | \$0.00                         | \$0.00            |  | \$0.00      |                              |
| Primary<br>Tower   | \$745,750.30                   | \$579,815.30      |  | \$0.00      |                              |
| Ground<br>System   | \$23,420.00                    | \$23,420.00       | Additional<br>ground,<br>120<br>radials,<br>buried 24",<br>100' due to<br>history of<br>electrical<br>storms in<br>region. | \$0.00      | N/A                          |
| Shipping<br>cost   | \$5,387.30                     | \$5,387.30        | N/A  | \$0.00      | N/A                          |
| STL<br>Antenna-<br>Installation<br>cost  | \$11,000.00                    | \$11,000.00       | N/A  | \$0.00      | N/A                          |
| Complex<br>Tower<br>(includes,<br>for<br>example,<br>those with<br>candelabras<br>and/or<br>stacked<br>antennas) | \$421,000.00                   | \$255,065.00      | N/A  | \$0.00      | N/A                          |
| New tower  | \$284,943.00                   | \$284,943.00      | N/A  | \$0.00      | N/A                          |
| Sub-total  | \$745,750.30                   | \$579,815.30      | N/A  | \$0.00      | N/A                          |

#### **Outside Professional Services**

#### Cost Information

| Description                         | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification   | Actual Cost | Actual Cost<br>Justificatior |
|-------------------------------------|--------------------------------|-------------------|--|-------------|------------------------------|
| Outside<br>Professional<br>Services | \$367,280.00                   | \$351,900.00      |  | \$0.00      |                              |
| RF Consultant<br>D. Everist         | \$50,000.00                    | \$50,000.00       | N/A  | \$0.00      | N/A                          |
| Public Utility<br>Analysis          | \$12,500.00                    | \$12,500.00       | Estimate-<br>American<br>Electric<br>Power,<br>Dominion<br>Gas<br>Company<br>and the City<br>of Lima<br>Water Dept.<br>will not<br>provide<br>quotes until<br>the building<br>plans for the<br>new<br>transmitter<br>building<br>have been<br>submitted<br>for approval. | \$0.00      | N/A                          |
| Microwave<br>License Study          | \$7,150.00                     | \$7,150.00        | STL Path,<br>and<br>required<br>coordination<br>notifications.<br>Attached<br>quote does<br>not include<br>Comsearch<br>frequency<br>coordination<br>fee.  | \$0.00      | N/A                          |

| Comprehensive<br>coverage<br>verification via<br>field study, if<br>needed  | \$84,200.00 | \$80,000.00 | N/A | \$0.00 | N/A |
|---|-------------|-------------|-----|--------|-----|
| FAA<br>consultant,<br>including cost<br>of preparing<br>FAA Form<br>7460 (Notice of<br>Proposed<br>Construction),<br>if needed for<br>height increase | \$2,105.00  | \$2,000.00  | N/A | \$0.00 | N/A |
| ASR<br>modification<br>(prepare FCC<br>Form 854)  | \$2,105.00  | \$2,000.00  | N/A | \$0.00 | N/A |
| Environmental<br>Assessment, if<br>triggered by<br>NEPA Section<br>106 review or<br>for certain<br>structures over<br>450 feet                        | \$10,520.00 | \$10,000.00 | N/A | \$0.00 | N/A |
| NEPA Section<br>106<br>environmental<br>review, if<br>needed  | \$6,310.00  | \$6,000.00  | N/A | \$0.00 | N/A |
| Attorney Fees -<br>Prepare and<br>File request for<br>Special<br>Temporary<br>Authorization   | \$7,360.00  | \$7,000.00  | N/A | \$0.00 | N/A |
| 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 | \$0.00 | 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 | \$0.00 | N/A |
|---|--------------|--------------|-----|--------|-----|
| Prepare<br>request for<br>Special<br>Temporary<br>Authorization   | \$2,050.00   | \$1,500.00   | N/A | \$0.00 | N/A |
| Prepare<br>engineering<br>section of FCC<br>Form 2100<br>(main), License<br>to Cover<br>Application       | \$1,580.00   | \$1,500.00   | N/A | \$0.00 | 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 | \$0.00 | 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 | \$0.00 | N/A |
| Prepare and or<br>review<br>reimbursement<br>form   | \$2,630.00   | \$2,500.00   | N/A | \$0.00 | N/A |
| Project<br>management of<br>the transition  | \$158,000.00 | \$150,000.00 | N/A | \$0.00 | N/A |

| Address<br>transition<br>timing and<br>coordination<br>issues w/ other<br>stations and<br>wireless | \$2,630.00     | \$2,500.00     | N/A | \$0.00         | N/A |
|--|----------------|----------------|-----|----------------|-----|
| Sub-total  | \$367,280.00   | \$351,900.00   | N/A | \$0.00         | N/A |
| Total for all systems  | \$3,776,950.36 | \$3,524,056.36 | N/A | \$1,022,821.10 | N/A |

#### **Other Expenses**

#### Cost Information

| Description                        | Predetermined<br>Cost Estimate | Estimated<br>Cost | Estimated<br>Cost<br>Justification  | Actual Cost | Actual Cos<br>Justificatio |
|------------------------------------|--------------------------------|-------------------|---|-------------|----------------------------|
| Other<br>Expenses                  | \$431,661.71                   | \$431,096.71      |   | \$0.00      |                            |
| IP Switch for<br>STL-TSL<br>system | \$1,342.92                     | \$1,342.92        | N/A   | \$0.00      | N/A                        |
| Generator                          | \$35,950.00                    | \$35,950.00       | Caterpillar<br>100kw/125kva<br>@ 208/120V<br>diesel<br>generator, and<br>transfer switch.   | \$0.00      | N/A                        |
| Field Strength<br>Tests            | \$25,000.00                    | \$25,000.00       | Signal<br>measurements<br>made at<br>twelve or more<br>communities<br>comprising<br>WOHL's DMA.   | \$0.00      | N/A                        |
| STL-TSL<br>system                  | \$85,640.00                    | \$85,640.00       | N/A   | \$0.00      | N/A                        |
| Translator                         | \$110,541.40                   | \$110,541.40      | Translator,<br>UHF channel,<br>15kw, to fill in<br>area lost in<br>coverage due<br>to geographic<br>move of<br>transmitter<br>site, and<br>restriction of<br>overlap of old<br>contour. | \$0.00      | N/A                        |
| Microwave<br>Receive Site<br>ENG   | \$105,924.44                   | \$105,924.44      | N/A   | \$0.00      | N/A                        |

| MVPD<br>Notification of<br>Channel<br>Change  | \$1,000.00  | \$1,000.00  | Notification to<br>13 cable<br>companies,<br>and 14 MATV<br>businesses.                                | \$0.00 | I |
|---|-------------|-------------|--|--------|---|
| Develop and<br>air<br>announcement<br>of upcoming<br>channel<br>change                  | \$5,000.00  | \$5,000.00  | N/A  | \$0.00 |   |
| Equipment<br>Storage  | \$6,000.00  | \$6,000.00  | Power<br>Company   | \$0.00 |   |
| Equipment<br>Delivery and<br>Handling<br>Charges  | \$23,582.95 | \$23,582.95 | Shipping for<br>transmitter,<br>antenna,<br>terminal<br>equipment,<br>and<br>specialized<br>equipment. | \$0.00 | I |
| Disposal<br>Costs (for<br>equipment and<br>other waste,<br>net of any<br>salvage value) | \$2,100.00  | \$2,100.00  | Multiple 15yd<br>dumpsters.  | \$0.00 |   |
| Non-zoning<br>permits   | \$7,500.00  | \$7,500.00  | Electrical,<br>plumbing,<br>HVAC, land<br>management,<br>drainage.                                     | \$0.00 | I |
| Local Zoning  | \$10,000.00 | \$10,000.00 | Zoning via<br>township and<br>City of Lima<br>(OH)   | \$0.00 |   |
| FCC Filing<br>Fees - Special<br>Temporary<br>Authorization<br>request                   | \$195.00    | \$190.00    | N/A  | \$0.00 |   |

| FCC Filing<br>Fees - Form<br>2100 license<br>to cover<br>application | \$335.00       | \$325.00       | N/A | \$0.00         | N/A |
|--|----------------|----------------|-----|----------------|-----|
| DTV Medical<br>Facility<br>Notification                              | \$11,550.00    | \$11,000.00    | N/A | \$0.00         | N/A |
| Sub-total  | \$431,661.71   | \$431,096.71   | N/A | \$0.00         | N/A |
| Total for all systems  | \$3,776,950.36 | \$3,524,056.36 | N/A | \$1,022,821.10 | N/A |

| Cost<br>Information | Grand Total           |                                |                |                |  |
|---------------------|-----------------------|--------------------------------|----------------|----------------|--|
|                     |                       | Predetermined<br>Cost Estimate | Estimated Cost | Actual Cost    |  |
|                     | Total for all systems | \$3,776,950.36                 | \$3,524,056.36 | \$1,022,821.10 |  |

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

| Certification | Section   | Question  | Response |
|---------------|---|---|----------|
|               | Submission of<br>Estimated Expenses<br>Statements | WILLFUL FALSE STATEMENTS ON THIS<br>FORM ARE PUNISHABLE BY FINE AND<br>/OR IMPRISONMENT (U.S. CODE, TITLE<br>18, SECTION 1001), AND/OR<br>REVOCATION OF ANY STATION<br>LICENSE OR CONSTRUCTION PERMIT<br>(U.S. CODE, TITLE 47, SECTION 312(a)<br>(1), AND/OR FORFEITURE (U.S. CODE,<br>TITLE 47, SECTION 503), AND ANY<br>FALSE STATEMENTS COULD SUBJECT<br>THIS ENTITY TO LIABILITY UNDER THE<br>FALSE CLAIMS ACT. |          |
|               |   | <ol> <li>The Authorized<br/>Person signing<br/>below certifies that he<br/>/she is authorized to<br/>submit this TV<br/>Broadcaster<br/>Relocation Fund<br/>Reimbursement<br/>Form on behalf of<br/>the above-named<br/>entity.</li> <li>The above-named<br/>entity acknowledges<br/>that all certifications</li> </ol>   |          |
|               |   | <ul> <li>and attached</li> <li>documentation are</li> <li>considered material</li> <li>representations.</li> <li>3. The above-named</li> <li>entity acknowledges</li> </ul>   |          |
|               |   | the submission of the<br>information herein<br>creates no obligation<br>on the part of the<br>government to pay<br>any amount.  |          |
|               |   |   |          |

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 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<br>entity certifies that it<br>is in full compliance<br>with all statutes,<br>rules, regulations<br>and governmental<br>requirements for<br>which compliance is<br>a pre-requisite for<br>obtaining the<br>payments herein<br>requested. |   |
|---|---|
| I declare, under penalty of perjury, that I am<br>an authorized representative of the above-<br>named applicant for the Authorization(s)<br>specified above.  | KEITH<br>WILKOWSKI<br>Vice<br>President,<br>Legal<br>/Governmental<br>Affairs |
|   | 08/30/2018  |

#### Attachments