

(REFERENCE COPY - Not for submission)

# FCC Form 399: Reimbursement Request

Channel: 28 (UHF) Facility 50044 Service: DTV Call **KPBT-TV** ID: Sign:

File 0000028613

Number:

FRN: 0021001540 Date 03/26

> Submitted: /2019

#### **Applicant** Information

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

Applicant	Address	Phone	Email	Applicant Type
PERMIAN BASIN PUBLIC TELECOMMUNICATIONS, INC. Doing Business As: KPBT-TV	Robert Brescia P.O. BOX 8940 MIDLAND, TX 79708 United States	+1 (432) 563- 5728	gm@basinpbs. org	Not-for- Profit

# Reimbursement Contact Name and Information Reimbursement Contact Information

Applicant	Address	Phone	Email	
[Confidential]				

#### **Preparer** Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
David Sanderford Marsand, Inc.	David Sanderford 1957 Reynolds Dr Azle, TX 76020 United States	+1 (817) 783-5566	david@marsand.com

#### Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	See attached Transition Plan Narrative.

#### **Transmitters**

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

## Primary Transmitter

## **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter	Manufacturer	
Manufacturer and Type	Model	DHD60P2
	Year	2001
	Туре	Solid State
	Solid State Cooling	Air Cooled
	Solid State Power Capacity	14 kW

## Primary Transmitter

#### **New Transmitter Costs**

Section	Question	Response
New Transmitter	Use	Primary (Main)
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	Manufacturer	
	Model	THU9- 12Evo
	Transmitter Type	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	19 kW
	Justification for New Transmitter	Solid State Power Capacity is "pre-mask filter". See attached Transition Plan Narrative.

#### Primary Transmitter

## **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA
	Rigid Conduit and Wiring	Yes
	Size	3 inches

	Length	180.0 feet
	Other Electrical Service	Yes
	Description	Build out electrical to accommodate the addition of the existing UPS and generator and then move the UPS and generator after the transition to comply with WARN act.
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	Yes
	Size	800.0 square feet
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

## Primary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Transmitter Installation	Installation, commissioning and proof of performance documentation.

Remove Existing Equipment	Remove pre-auction channel transmitter
	and interior RF system.

#### **Antennas**

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

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (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?	No
	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	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Slotted 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)	220.0 kW

Manufacturer	
Model	ATL20H3- HSO-38
Year	2001

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	Yes
	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
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	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)	500.0 kW
	Manufacturer	

Model	SAA28- ATW_P3- J300-ES6R- 28
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

#### **Other Antenna Costs**

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

**Other Antenna Cost Not Listed** 

Information not provided.

Transmission <sup>Seffien</sup>	Question	Response
Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

# Primary Transmission Line

#### **Existing Transmission Line**

on Line Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission Line Manufacturer and Type	Manufacturer	
	Туре	Flexible Air
	Diameter	4 inches
	Other Diameter	N/A
	Segment Length	N/A
	Other Segment Length	N/A
	Number of parallel runs	1
	Length	315 feet per run

#### Primary Transmi

#### **New Transmission Line**

issio	Section	Question	Response
	New Transmission Line Costs	Use	Primary (Main)
		Description of Use	N/A
		Change Type	Purchase New
		Is this a request for upgraded equipment?	No
		Туре	Flexible Air
		Diameter	4 inches
		Other Diameter	N/A
		Segment Length	N/A
	Other Segment Length	N/A	
		Number of parallel runs	1
	Length	900 feet per run	
		Justification for New Transmission Line	See attached Transition Plan Narrative.

**Primary** Other Transmission Line Expenses Not Listed

Transmission loine tion not provided.

# Tower Equipment And Rigging Costs

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

#### Primary Tower

#### **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?	Yes
	One or more FM, AM or TV radio broadcaster(s)	No
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	No
Existing Tower Structure Registration	Do you have a tower registration number?	Yes
Registration	ASR Number	1215312
Coordinates (NAD83 ( North American Datum of	Latitude (NAD83)	31° 53' 50.3" N-
1983))	Longitude (NAD83)	102° 20' 15.5" W-
	Overall Structure Height	367.78 feet
	Support Structure Height	350.06 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2917.62 feet

Structure Type	MAST - Mast
Tower Owner	Gray Television Group, Inc.
Date Constructed	12/23/2000

#### Other Types of Users

Users
KOSA-TV STL
K238AZ FM Trans

#### Primary Tower

#### **Tower Modification Costs**

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

#### **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?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	No
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Unknown
Existing Tower	Do you have a tower registration number?	Yes
Structure Registration	ASR Number	1053361
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	32° 05' 11.0" N-
	Longitude (NAD83)	102° 17' 12.0" W-
	Overall Structure Height	1131.88 feet
	Support Structure Height	1030.17 feet
	Ground Elevation Above Mean Sea Level (AMSL)	2909.09 feet
	Structure Type	GTOWER - Guyed Structure Used for Communication Purposes
	Tower Owner	Subcarrier Communications Inc

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
65306	KMCM	FM
41856	KMRK-FM	FM
9667	KCRS-FM	FM

#### Primary Tower

#### **Tower Modification Costs**

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

#### Primary Tower

#### **Tower Rigging Costs**

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

#### Primary Tower

#### **Other Tower Expenses Not Listed**

Information not provided.

#### Outside Professional

Section	Question	Response
Services Costs Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	350
	Explanation	Please see attached Transition Plan Narrative.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting	Prepare and file Form FCC Construction 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 Authority	No
	Quantity	N/A
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	Yes
RF Field Engineering Services	Comprehensive coverage verification via field study	No
	RF exposure measurements	No
	Additional Field Engineering Service	No
	Number of Days	N/A
	Justification	N/A

# Outside Professional Services Costs

# Other Professional Services Expenses Not Listed

I Services Costs	Description
Site Survey	Required for specifying the final equipment needs and installation planning.

# Other Expenses

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

# Other Expenses

## Other Expenses Not Listed

Name	Description
Studio to Transmitter Link	Fiber or microwave radio connection from the studio to the transmitter site.

# **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 C
Primary Transmitter THU9-12Evo	\$1,169,374.95	\$908,599.26		\$767,649.42	
Remove Existing Equipment	\$15,000.00	\$15,000.00	Dismantle and remove the transmitter and interior RF components.	\$6,950.00	N/A
Other Building Addition Size: 800.0	\$208,689.95	\$208,689.95	The cost for installing bollards at the transmitter building was not included in the initial budget as we were unable to attain all the budgetary costs prior to filling. The bollards will protect the newly installed equipment.	\$208,689.95	The cos installi bollards the transmi buildir was n included the init budget we we unable attain the budget costs p to fillin The bollards protect newly installe equipm
UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW	\$684,000.00	\$451,264.31	See attached transmitter quotation.	\$393,809.26	N/A

Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$36,300.00	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$0.00	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$9,360.00	\$8,820.00	N/A	\$8,820.00	N/A
10 Ton system	\$38,900.00	\$15,800.00	Initial estimates are over a year old and construction costs in our area have increased.	\$15,800.00	Initia estima are ove year o and construc costs in area ha increas
Other Electrical Service: Build out electrical to accommodate the addition of the existing UPS and generator and then move the UPS and generator after the transition to comply with WARN act.	\$94,025.00	\$94,025.00	Please see attached quotations for generator and UPS decommissioning, move and commissioning.	\$76,280.21	N/A
Transmitter Installation	\$30,000.00	\$30,000.00	Please see attached transmitter installation quotation.	\$21,000.00	N/A

Sub-total	\$1,169,374.95	\$908,599.26	N/A	\$767,649.42	N/A
Total for all systems	\$2,132,204.53	\$1,770,587.94	N/A	\$1,415,342.64	N/A

# Components

Components		
Actual Information Description	File Name	
Remove Existing Equipment	Component Description:  Amount:	Midland Tower Construction_Antenna and Transmission Line Removal_Invoice, Signed PO and Quote \$3,950.00
	Component Description:  Amount:	Midland Tower Construction_Removal and Disposal of CH 38 Transmitter and Equipment. \$3,000.00
Other Building Addition Size: 800.0	Component Description: Amount:	Subcarrier Communications- Tower and Building Lease Agreement- June Site Rent \$6,800.00
	Component Description: Amount:	Subcarrier Communications- Tower and Building Lease Agreement- November Site Rent \$6,800.00
	Component Description:  Amount:	Delton Construction_Bollards_Variance Cover Letter, Invoice, Signed PO, Estimate and Drawing \$38,614.95

Subcarrier Communications-**Component Description:** Tower and Building Lease Agreement- August Site Rent \$6,800.00 Amount: **Component Description:** Old Doppler Tower Removal at Subcarrier Tower ASR# 1053361 Amount: \$4,600.00 **Component Description:** Subcarrier Communications-Tower and Building Lease Agreement- October Site Rent Amount: \$6,800.00 **Component Description:** 50% Down Payment for Construction of Generator **Enclosure at Subcarrier Tower** ASR# 1053361 Amount: \$55,187.50 **Component Description:** Subcarrier Communications-Tower and Building Lease Agreement- July Site Rent Amount: \$6,800.00 Subcarrier Communications-**Component Description:** Tower and Building Lease Agreement- Security Deposit

**Amount:** \$14,300.00

Component Description: Subcarrier Communications-

Tower and Building Lease Agreement- September Site

Rent

**Amount:** \$6,800.00

Component Description: Delton Construction\_Variance

**Explanation Cover** 

Letter\_Invoice #202310 Quote, DP Invoice, Doppler Invoice and Doppler Quote-Generator, auxiliary fuel tank, and heat exchanger cinder block enclosure remaining balance

**Amount:** \$55,187.50

UHF - Liquid Cooled Solid State Transmitter 14.2 - 20 kW

Amount:

Amount:

Component Description: 25% Downpayment Rohde &

Schwarz Model THU9-12 Evo

Quote: 802-0335601.4

\$97,985.75

Component Description: 75 percent Down payment\_

Rohde & Schwarz THU9-12

Evo Transmitter \$293,957.25

Component Description: Broadax Systems

Inc\_Transmitter Remote/ User

Interface Computer and Network Switch Justification Cover Letter, Invoice, Signed

PO and Quote

**Amount:** \$1,381.00

Component Description: West Texas It

Consulting\_Transmitter
Remote/ User Interface

Computer and Network Switch Justification Cover Letter,

Invoice, Signed PO and Quote

**Amount:** \$485.26

Service entrance 3 phase/800 amp /208 volt

Information not provided.

Switchgear - industrial 800 amp	Component Description:	Switch gear_Purchase and installation of materials for the electrical system in the new
	Amount:	transmitter building \$36,300.00
Transformer 3 phase/480v - 300 KVA	Information not provided.	
3" Rigid Conduit and Wiring (Cost per foot)	Component Description:	Rigid conduit and wire_Purchase and installation of materials for the electrical system in the new transmitter
	Amount:	building \$8,820.00
10 Ton system		
	Component Description:	Two three ton mini split air units for cooling transmitter equipment at new transmitter site (Subcarrier Building)
	Amount:	\$15,800.00
Other		
Electrical Service: Build out electrical	Component Description:	Construction of electrical installation at new transmitter building
to accommodate the addition of the existing	Amount:	\$2,565.48
UPS and generator and then move the	Component Description:	Active Power_UPS Power Supply Repair Explanation Cover Letter, Invoice, Signed PO and Quote
UPS and generator after the transition to comply with	Amount:	\$963.72

Component Description: Active Power\_WARN UPS Re-

Start Up- Single Cabinet, Flywheel System, Re-

installation, Commission and Performance Test Load

**Amount:** \$5,243.00

Component Description: Active Power\_WARN UPS Re-

Start UP

**Amount:** \$5,243.00

Component Description: Active Power- Power Supply

Repair Explanation Cover Letter, Invoice, Signed PO and

Quote

**Amount:** \$963.72

Component Description: Shutdown and preparation of

UPS for relocation to new

transmitter site

**Amount:** \$5,492.00

Component Description: Texas Pride Fuels\_Fuel for

WARN Generator and Auxiliary

**Fuel Tanks** 

**Amount:** \$4,372.02

**Component Description:** 50% Down Payment for Full

Electrical System Installation at

Subcarrier Tower ASR#

1053361

**Amount:** \$47,685.49

Component Description: Delton Construction\_Surge

Surpressor\_Invoice, Signed PO

and Estimate

**Amount:** \$9,958.50

Transmitter Installation

Component Description: Marsand\_Transmitter

Install\_Single Cabinet , Liquid Cooled, Hose Style Installation,

Commisssion and Proof of

Performance

**Amount:** \$21,000.00

# **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	Cost Justification	Actual Cost	Actual Cos Justification
Primary Antenna SAA28- ATW_P3- J300-ES6R- 28	\$178,643.91	\$173,353.91		\$170,453.91	
UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized	\$143,503.91	\$143,503.91	We were unable to attain accurate tower banding information from the tower owner. The ray dome ended up mounted within the full orange band on the tower.  The antenna was delivered with the upper most radome in white. The panels will be replaced to match.	\$143,503.91	We were unable to attain accurate tower banding information from the tower owner. The ray dome ended up mounted within the full orange band on the tower. The antenna was delivered with the upper mos radome in white. The panels will be replaced to match.
Sweep test of existing	\$6,730.00	\$6,400.00	N/A	\$3,500.00	N/A

	·	·		,	
Sub-total	\$178,643.91	\$173,353.91	N/A	\$170,453.91	N/A
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	N/A	\$5,000.00	N/A
brackets for high power antennas (if not included in antenna base cost)			attached antenna quotation.		

#### Components

<b>Actual Information</b>	
Description	File Name

UHF - High Power, Side Mount, basic slot antenna, 500 kW input, directional,, elliptically or circularly polarized

Component Description: RFS SA 28-ATW\_P3-

J300 ES6R-28
Antenna, Includes
Upgrade Cover
Letter, Antenna
Invoice for remaining
balance, Upgrade
Quote with station
cost, Signed Antenna
Quote and Antenna
Quote. Station
invoices for antenna
upgrade are attached
separately.

**Amount:** \$142,500.00

Component Description: RFS\_Radome

Panels\_Variance Cover Letter, Invoice, Signed PO and Quote

**Amount:** \$1,003.91

Component Description: RFS\_Antenna 45%

Deposit due eight weeks after order\_ SA 28-ATW\_P3-J300 ES6R-28, includes quote, PO, Antenna comparison cost, FCC invoice and station invoice

Amount: N/A

Component Description: RFS\_Antenna 45%

Deposit due two
weeks after order\_
SA 28-ATW\_P3-J300
ES6R-28,includes
quote, PO, Antenna
comparison cost,
FCC invoice and
station invoice

Amount: N/A

Sweep test of existing antenna		
	Component Description:	Marsand_Antenna and Line
		Sweep_Invoice,
		Signed Po and
		Estimate
	Amount:	\$3,500.00
Side mount brackets for		
high power antennas (if not included in antenna base cost)	Component Description:	RFS_Antenna mount 45% Deposit due two weeks after order_
		Custom designed
	Amount:	antenna mount \$8,302.50
	Amount.	ψ0,002.00
	Component Description:	RFS_Antenna mount
		45% Deposit due
		eight weeks after
		order_ Custom
		designed antenna
		mount
	Amount:	\$8,302.50
	Component Description:	RFS Antenna
		Custom Designed
		Mount_ Remaining
		Balance
	Amount:	\$1,845.00

Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)

Component Description: RFS\_Analytical

scatter analysis 45% Deposit due two

weeks after order

**Amount:** \$2,250.00

Component Description: RFS\_Analytical

Tower Study 45% Deposit due eight weeks after order

**Amount:** \$2,250.00

Component Description: Radio Frequency

Systems\_Remaining

balance due for

scatter study analysis

**Amount:** \$500.00

#### **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 (
Primary Transmission Line	\$66,600.00	\$31,790.75		\$31,790.75	
Flexible Air Transmission Line - dielectric, 4"	\$66,600.00	\$31,790.75	We budgeted low in this instance, due to the tardy response from the vendors. See attached antenna quotation:  RFS_Transmission Line Variance Letter, Invoice #27011077_2-21- 18_\$3179.07, Signed PO and Quote	\$31,790.75	When original submit our Fo 399 But Estimal we we under impress that vertical had to inpure number regardly of the accuration we budge low in the instantial due to tardy resport from to vendo
Sub-total	\$66,600.00	\$31,790.75	N/A	\$31,790.75	N/A
Total for all systems	\$2,132,204.53	\$1,770,587.94	N/A	\$1,415,342.64	N/A

### Components

<b>Actual Information</b>			
Description	File Name		

Flexible Air Transmission Line - dielectric, 4"

Component Description: RFS\_Transmission

LIne 45% Deposit due eight weeks after order\_ HCA400-50J Heliflex 4 inch dielectric cable

**Amount:** \$14,305.84

Component Description: RFS- 10% Invoice-

Remaining balance

for 4" Heliflex transmission line and parts\_Variance Cover Letter, PO and Quote

**Amount:** \$3,179.07

Component Description: RFS\_Transmission

LIne 45% Deposit due two weeks after order\_ HCA400-50J

Heliflex 4 inch dielectric cable

**Amount:** \$14,305.84

### **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 Co
Primary Tower GTOWER	\$381,100.00	\$369,293.35		\$341,679.64	
Tall Tower (greater than 500')	\$210,500.00	\$207,293.35	Tower crew expense for replacing of upper white radome covers with orange radome covers.	\$207,293.35	The variance of \$9000.00 over the previously estimated budget amount to Tower Equipment and RigginTall Tower Greater Than 500 foot Category resulted when we were unable to attain accurate tower banding information from the tower owner.
Structural engineering tower load study for well documented tower	\$12,600.00	\$12,000.00	N/A	\$4,000.00	N/A

Minor tower reinforcement /modifications	\$158,000.00	\$150,000.00	N/A	\$130,386.29	N/A
Primary Tower MAST	\$110,500.00	\$56,555.00		\$13,800.00	
Tower mapping for an undocumented /poorly documented tower and preparation of documentation necessary for tower load study	\$26,300.00	\$16,555.00	See attached series of invoices labeled Initial Tower Studies	\$13,800.00	N/A
Short Tower (less than 500')	\$84,200.00	\$40,000.00	This tower is not able to be brought into conformance with the TIA-222-G specification. Existing antenna and transmission line removal only post-transition.	N/A	N/A
Sub-total	\$491,600.00	\$425,848.35	N/A	\$355,479.64	N/A
Total for all systems	\$2,132,204.53	\$1,770,587.94	N/A	\$1,415,342.64	N/A

### Components

<b>Actual Information</b>	
Description	File Name

Tall Tower (greater than 500')

Component Description: Engineering and

fabrication service for new KPBT tower site which includes originally

proposed materials,

modifications and

services

**Amount:** \$151,195.87

Component Description: Rig and De-rig

tower as required, remove existing white radome sections and install

new orange radome sections on top of antenna to match tower

banding

**Amount:** \$9,000.00

Component Description: 30% down

payment for all tower modifications and services -ASR# 1053361. Less the amounts for the Application Fee (\$3,000.00),

Package

(\$10,700.75) and Tower Study 1 (\$1500.00) and 2

**Design Drawing** 

(\$2500.00).

**Amount:** \$47,097.48

Structural engineering		
tower load study for well	Component Description:	Tower loading
documented tower		study for initial
		antenna (PEP8A)
		and subsequent
		loading study for
		final antenna.
		(SAA28-ATW_P3-
		J300-ES6R-28)
	Amount:	\$4,000.00
Min ou tourou soinforce and		
Minor tower reinforcement /modifications	Component Description:	Tower Modification
	Component Description:	Design Drawing
		Package
	Amount:	\$10,700.75
	Amount.	ψ10,700.73
	Component Description:	Change Order_
		Price for
		Modifications and
		Modifications and
		Services- price increased,
		Services- price
		Services- price increased,
		Services- price increased, because fabrication
		Services- price increased, because fabrication company was
		Services- price increased, because fabrication company was unable to perform
		Services- price increased, because fabrication company was unable to perform work at previously
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate.
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate. Another crew had
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate. Another crew had to be hired that
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate. Another crew had to be hired that could work within
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate.  Another crew had to be hired that could work within the time
		Services- price increased, because fabrication company was unable to perform work at previously quoted rate. Another crew had to be hired that could work within

Tower mapping for an undocumented/poorly documented tower and preparation of documentation necessary for tower load study

Component Description: KPBT - Foundation

Mapping

**Amount:** \$3,900.00

Component Description: KPBT -

Remobilization Fee

**Amount:** \$1,600.00

Component Description: KPBT -

Geotechnical Investigation

**Amount:** \$3,300.00

Component Description: KOSA -

Remobilization Fee

**Amount:** \$2,755.00

Component Description: KPBT - Structural

Analysis

**Amount:** \$1,500.00

Component Description: KPBT - Tower

Mapping \$3,500.00

arrived at site
ASR# 1233693 to
perform structural
analysis, tower
mapping and
inspection. Tower
owner rep would
not reduce power

Three man crew

to a safe limit to perform duties.

**Amount:** \$2,755.00

Short Tower (less than 500')

Information not provided.

**Component Description:** 

Amount:

#### **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 Cos Justificatio
Outside Professional Services	\$97,490.00	\$103,050.00		\$50,243.25	
Site Survey	\$13,000.00	\$13,000.00	The variance of \$3,000.00 over the estimated budget amount to Outside Professional Services- Site Survey category resulted as we provided our best estimate based on conversations with our consultant engineer.	\$13,000.00	The variance of \$3,000.00 over the estimated budget amount to Outside Profession Services- Survey category resulted a we provide our best estimate based on conversatio with our consultan engineer
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,000.00	N/A	\$2,270.00	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$1,620.00	N/A

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,898.25	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$450.00	N/A
Project management of the transition	\$55,300.00	\$52,500.00	Please see attached Project Management quotation.	\$10,350.00	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,355.00	N/A
Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	N/A

engineering of \$9,800.00 of study for new over the channel estimated assignment budget and antenna amount to development Outside  Professional Professional Professional Perform Engineering Engineeri	
study for new channel estimated budget and antenna amount to a amount to active development Outside  Professional Professi	e varian
channel estimated budget and antenna amount to adevelopment Outside  Professional P	\$9,800.0 over the
assignment and antenna development Outside  Professional Professional Professional Perform Engineering Study category resulted as we provided our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	estimated
and antenna amount to Outside  Professional	budget
development  Outside Professional Profession	mount to
Professional Professional Services-Perform Engineering Engineering Engineering Study category resulted as we provided with our best estimate based on conversations conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	Outside
Perform Engineering Study category resulted as we provided our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	ofession
Engineering Study category resulted as we provided our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	Services-
Study category resulted as we provided our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	Perform
category resulted as resulted as we provided with our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	ngineerir
resulted as we provided we provided our best estimate based on to conversations conversations consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	Study
we provided our best estimate based on the conversations conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	category
our best estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	esulted a
estimate based on conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	e provide
based on conversations conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	our best
conversations with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	estimate
with our consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	pased or
consultant engineer.  Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	nversatio
Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	with our
Prepare \$3,155.00 \$3,000.00 N/A \$2,700.00 engineering section of FCC Form 2100 (main), Construction Permit Application	onsultan
engineering section of FCC Form 2100 (main), Construction Permit Application	engineer
(main), Construction Permit Application	N/A
Construction Permit Application	
Permit Application	
Application	
<b>Sub-total</b> \$97,490.00 \$103,050.00 N/A \$50,243.25	
	N/A
<b>Total for all</b> \$2,132,204.53 \$1,770,587.94 N/A \$1,415,342.64 <b>systems</b>	N/A

### Components

Actual Information			
Description	File Name		

Site Survey **Component Description:** Marsand\_Site Survey\_Variance Cover Letter, Invoice, Signed PO and Estimate Amount: \$10,000.00 **Component Description:** Non refundable application fee to initiate lease negotiations -ASR# 1053361. Amount: \$3,000.00 Attorney Fees -Negotiation of lease **Component Description:** Attorney-TV Repack and other matters for Services- Review Of shared locations Revised Draft Subcarrier Tower Lease And Mark Up With Proposed Revisions, Comments, And Questions Amount: \$870.00 **Component Description:** Attorney- TV Repack Services-Reimbursement For **Breaking Current Lease** Agreement **Amount:** \$240.00 **Component Description:** Attorney TV Repack Services- Subcarrier Lease Agreement Communications Amount: \$660.00 **Component Description:** Attorney-TV Repack Services-Review An Mark Up Of Subcarrier **Tower Lease** \$500.00 Amount:

Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application

Component Description: Attorney Fees Form

2100 Form 399 STA

**Amount:** \$1,500.00

Component Description: Repack Services

**Amount:** \$120.00

Attorney Fees Prepare and File
FCC Form 2100
(main), Construction
Permit Application

Component Description: GSB Law\_ Attorney

Services-Repack
channel change
communications and
filings.FCC progress
report and Program Test
Authority notifications
and filings. FCC draft
license application
construction permit
modification

communications and

filing.

**Amount:** \$3,390.00

Component Description: Attorney-TV Repack

Services-Filing Quarterly

Report

**Amount:** \$270.00

Component Description: Television Repacking

Services- Billed Thru
October 31, 2017 for
transition progress report
submission review and
filing and for invoice

review

**Amount:** \$359.25

Component Description: Television Repacking

Services

**Amount:** \$690.00

Component Description: Attorney-TV Repack

Services-Form 1876 Update Banking Contact

Information

**Amount:** \$189.00

Prepare engineering section of FCC Form **Component Description:** Marsand\_Prepare 2100 (main), License **Engineering Portion of** to Cover Application License To Cover Application \$450.00 Amount: Project management of the transition **Component Description:** Marsand\_Project Management Services; assist with progress of installation, coordinate vendors, monitor timing and issues Amount: \$7,950.00 **Component Description:** Marsand\_Preliminary **Project Management** Amount: \$2,400.00

Prepare and or review reimbursement form

Component Description: Garvey Schubert and

Barer\_Attorney

Fees\_Television Repack Services\_reimbursement, channel change and extension calls and

emails

**Amount:** \$765.00

Component Description: Attorney TV Repack

Services- Ten week

transition communications

**Amount:** \$360.00

Component Description: Attorney TV Repack

Services- Transition

deadline communications

**Amount:** \$870.00

Component Description: Attorney Fees\_ Repack

Services- review and filing of KPBT quarterly transition progress report

**Amount:** \$120.00

Component Description: Attorney-TV Repack

Service-Form 399 Reimbursement Justification For B&T

Group

**Amount:** \$120.00

Component Description: Attorney-TV Repack

Services-Upload Replacement Invoice

Issues

**Amount:** \$120.00

Address transition timing and coordination issues w/ other stations and wireless	Information not provided.	
Perform engineering study for new channel assignment and antenna development	Component Description: Amount:	Engineering services \$1,631.25
	Component Description: Amount:	Initial RF Coverage Scenarios \$4,218.75
	Component Description:  Amount:	Marsand_Perform Engineering Study_ Invoice, Signed PO and Estimate \$4,500.00
	Component Description:	Marsand-Priority Filing Window; Perform Engineering Study for new channel assignment
	Amount:	and antenna development \$2,250.00

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: Marsand\_Priority Filing

Window; Perform Engineering Section of FCC Form 2100, Construction Permit

Application

**Amount:** \$900.00

Component Description: Marsand\_Prepare

Engineering section of

FCC Form 2100 Construction Permit

**Amount:** \$900.00

Component Description: Marsand\_ Prepare

Engineering Section of

FCC Form 2100, Construction Permit Minor Modification

Application

**Amount:** \$900.00

#### **Other Expenses**

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$128,495.67	\$127,945.67		\$39,725.67	
Studio to Transmitter Link	\$60,000.00	\$60,000.00	Construct fiber "last mile" connection for STL link (preferred). Microwave radio link is more expensive.	N/A	N/A
Develop and air announcement of upcoming channel change	\$6,000.00	\$6,000.00	N/A	N/A	N/A

Equipment	¢22 445 67	<b>\$22.445.67</b>	Permian	<b>422 115 67</b>	The
Equipment Delivery and	\$33,445.67	\$33,445.67	Machinery	\$33,445.67	variance of
Handling			Movers		\$850.00
Charges			cost		over the
Onarges			difference		previously
			from hiring		estimated
			alternate		budget
			crane		amount in
			********		the Other
			company		
			to perform		Expenses-
			the		Equipment
			relocation of the		Delivery
					and
			generator,		Handling
			auxiliary		Charges
			fuel tank		category
			and UPS.		resulted
					from
					Permian
					Machinery
					Movers
					hiring
					another
					crane
					company
					able and
					capable to
					perform the
					job.
Disposal	\$15,000.00	\$15,000.00	Disposal of	N/A	N/A
Costs (for			old		
equipment and			transmitter,		
other waste,			antenna,		
net of any			line and		
salvage value)			misc.		
			electrical.		

MVPD	\$2,500.00	\$2,500.00	The	\$2,500.00	The
Notification of			variance of		variance is
Channel			\$1300 over		a direct
Change			the		result from
			previously		the work
			estimated		performed
			budget		by Widelity
			amount of		
			\$1200.00		
			to Other		
			Expenses/		
			MVPD		
			Notification		
			of Channel		
			Change		
			category is		
			a direct		
			result from		
			the work		
			performed		
			by Widelity.		
			We ask		
			that the		
			budget		
			amount be		
			increased.		
			Thank you		
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,780.00	N/A
Sub-total	\$128,495.67	\$127,945.67	N/A	\$39,725.67	N/A
Total for all systems	\$2,132,204.53	\$1,770,587.94	N/A	\$1,415,342.64	N/A

### Components

Actual Information Description	File Name
Studio to Transmitter Link	Information not provided.
Develop and air announcement of upcoming channel change	Information not provided.
Equipment Delivery and	

#### Handling Charges

Component Description: RFS-Antenna and

Mount Freight

Charges

**Amount:** \$13,125.00

**Component Description:** Permian Machinery

Movers\_Unloading of transmission line and mounting hardware

pallet

**Amount:** \$950.00

Component Description: Delton

Construction\_Storage

and handling of

transmitter equipment crates at a secure facility while building renovations were

completed

**Amount:** \$595.00

**Component Description:** (5-18-18) Poly

sheathing for covering Rohde & Schwarz transmitter crates while stored at Delton Construction secured facility and (5-29-18) Pallet jack rental for moving Rhode & Schwarz transmitter shipping crates inside of new

**Amount:** \$193.67

Component Description: RFS- 4" Heliflex

Transmission Line-Shipping Charges

transmitter building

**Amount:** \$7,332.00

**Component Description:** Load, transport and

> unload generator, auxiliary fuel tank and

UPS from old

transmitter site (4101 E. 42 St., Odessa, TX) to new transmitter site (9650 N. FM 1788,

Midland, TX)

Amount: \$6,500.00

**Component Description:** Loading, transporting

& unloading of

transmitter equipment crates from Delton

Construction

(Secured facility) to new transmitter site (Subcarrier building)

Amount: \$1,650.00

**Component Description:** Provided two forklifts,

> two operators and one assistant to unload antenna, radome crate and antenna mount pallet

Amount: \$2,250.00

**Component Description:** Permian Machinery

> Movers\_Variance Cover Letter, Change

Order Invoice, Change Order PO, Change Order Quote, Original Invoice and Original Quote

\$850.00 Amount:

Disposal Costs (for equipment and other waste, net of any salvage value)

Information not provided.

MVPD Notification of Channel Change		Michaelia ANVIDO
_	Component Description:	Widelity_MVPD  Notification- research
		and contact all
		relavant MVPD
		entities impacted by
		station move by mail
		and/ or email
	Amount:	\$2,500.00
DTV Medical Facility		
Notification	Component Description:	Widelity_Medical
		Notification- indentify
		medical associations
		and industry groups
		impacted by the
		station move and
		contact them by mail
	<b>A</b>	and/ or email.
	Amount:	\$3,780.00

#### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,132,204.53	\$1,770,587.94	\$1,415,342.64

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

Section Question Response

## Submission of Estimated Expenses Statements

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.

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

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

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

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Robert Brescia Chairman of the Board

03/26/2019

#### **Attachments**