

Federal Communications Commission

(REFERENCE COPY - Not for submission)

FCC Form 399: Reimbursement Request

				-			
F	acility	50044	Service: DTV	Call	KPBT-TV	Channel: 28 (UHF)	
IC	D:			Sign:			
F	ile	000002	8613				
Ν	umber:						
F	RN: 002	1001540	Date	04/18			
			Submitted:	/2019			

Applicant Name, Type, and Contact Information

Applicant 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 Preparer Contact Name and Information

Contact 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	Question	Response
Information and Transition Plan	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	Existing Transmitter Information				
Fransmitter	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		

Existing Transmitter Information

Primary	New Transmitter Costs					
Transmitter	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.			

Other Transmitter Costs

Primary	Other Transmitter Costs	her Transmitter Costs			
Transmitter	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 Remove Existing Equipment Remove pre-auction channel transmitter
and interior RF system.

Transmitter Installation	Installation, commissioning and proof of
	performance documentation.

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 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 Manufacturer and Type	Class	Full Power	
		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

Primary	New Antenna Costs				
Antenna	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 Manufacturer and Types	Class	Full Power		
		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			
			1		

Model	SAA28- ATW_P3- J300-ES6F 28
Year	2018
Justification for New Antenna	See attached Transition Plan Narrative.

Primary Other Antenna Costs

Antenna

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

Primary
AntennaOther Antenna Cost Not ListedInformation not provided.

Transmissior	n Seffien	Question	Response
	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

Primary	Existing Transmission Line			
Transmissio	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	Manufacturer		
	Line Manufacturer and Type	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	

Existing Transmission Line

Primary	New Transmission Line			
Transmissio	n Line 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.	

Other Transmission Line Expenses Not Listed Transmission

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

Primary	Add Tower				
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		
		ASR Number	1215312		
	Coordinates (NAD83 (North American Datum of 1983))	Latitude (NAD83)	31° 53' 50.3" N-		
		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 Modification Costs

Tower

Tower

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 Rigging Costs

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

PrimaryOther Tower Expenses Not ListedTowerInformation not provided.

Primary	Add Tower		
Tower	Section	Question	Response
	Existing Tower	Type of change	Modify Existing
	Description	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 (Latitude (NAD83)	32° 05' 11.0" N-
	North American Datum of 1983))	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
41856	KMRK-FM	FM
65306	KMCM	FM
9667	KCRS-FM	FM

Primary Tower Modification Costs

Tower

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 Rigging Costs

Tower

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

Primary Other Tower Expenses Not Listed

Tower

Information not provided.

Outside	Section	Question	Response
Professional	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	Other Professional Services Expenses Not Listed		
Professional	Services Costs	Description	
	Site Survey	Required for specifying the final equipment needs and installation planning.	

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 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 Not Listed

Other Expenses	Other Expenses Not Listed			
	Name	Description		
	Studio to Transmitter Link	Fiber or microwave radio connection from the studio to the transmitter site.		

Transmitters

Cost Information

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 Justifica
Primary Transmitter THU9-12Evo	\$1,169,374.95	\$908,599.26		\$767,649.42	
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
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 include the init budget we we unable attain the budget costs p to fillin The bollards protect newly installe equipm
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
3" Rigid Conduit and Wiring (Cost per foot)	\$9,360.00	\$8,820.00	N/A	\$8,820.00	N/A
Transformer 3 phase/480v - 300 KVA	\$36,800.00	\$35,000.00	N/A	\$0.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$36,300.00	N/A	\$36,300.00	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$13,700.00	N/A	N/A	N/A

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
Sub-total	\$1,169,374.95	\$908,599.26	N/A	\$767,649.42	N/A
Total for all systems	\$2,132,204.53	\$1,770,657.94	N/A	\$1,439,142.64	N/A

Components

Actual Information Description	File Name	
Other Electrical Service: Build out electrical to accommodate the addition of	Component Description: Amount:	Construction of electrical installation at new transmitter building \$2,565.48
the existing UPS and generator and then move the UPS and generator after the transition	Component Description: Amount:	Active Power_UPS Power Supply Repair Explanation Cover Letter, Invoice, Signed PO and Quote \$963.72
to comply with WARN act.	Component Description: Amount:	Active Power_WARN UPS Re- Start Up- Single Cabinet, Flywheel System, Re- installation, Commission and Performance Test Load \$5,243.00
	Component Description: Amount:	Shutdown and preparation of UPS for relocation to new transmitter site \$5,492.00

	Component Description: Amount:	Active Power- Power Supply Repair Explanation Cover Letter, Invoice, Signed PO and Quote \$963.72
	Component Description: Amount:	Active Power_WARN UPS Re- Start UP \$5,243.00
	Component Description: Amount:	Texas Pride Fuels_Fuel for WARN Generator and Auxiliary Fuel Tanks \$4,372.02
	Component Description: Amount:	Delton Construction_Surge Surpressor_Invoice, Signed PO and Estimate \$9,958.50
	Component Description: Amount:	50% Down Payment for Full Electrical System Installation at Subcarrier Tower ASR# 1053361 \$47,685.49
Transmitter Installation	Component Description:	Marsand_Transmitter Install_Single Cabinet , Liquid Cooled, Hose Style Installation, Commisssion and Proof of Performance
	Amount:	\$21,000.00

Remove Existing Equipment	Component Description:	Midland Tower Construction_Removal and Disposal of CH 38 Transmitter
	Amount:	and Equipment. \$3,000.00
	Component Description:	Midland Tower Construction_Antenna and Transmission Line Removal_Invoice, Signed PO and Quote
	Amount:	\$3,950.00
Other Building Addition Size: 800.0	Component Description:	Subcarrier Communications- Tower and Building Lease Agreement- September Site Rent
	Amount:	\$6,800.00
	Component Description:	Subcarrier Communications- Tower and Building Lease Agreement- June Site Rent
	Amount:	\$6,800.00
	Component Description:	Subcarrier Communications- Tower and Building Lease Agreement- October Site Rent
	Amount:	\$6,800.00
	Component Description:	Subcarrier Communications- Tower and Building Lease Agreement- July Site Rent
	Amount:	\$6,800.00

Component Description: Amount:	Delton Construction_Bollards_Variance Cover Letter, Invoice, Signed PO, Estimate and Drawing \$38,614.95
Component Description: Amount:	50% Down Payment for Construction of Generator Enclosure at Subcarrier Tower ASR# 1053361 \$55,187.50
Component Description: Amount:	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 \$55,187.50
Component Description: Amount:	Subcarrier Communications- Tower and Building Lease Agreement- Security Deposit \$14,300.00
Component Description: Amount:	Subcarrier Communications- Tower and Building Lease Agreement- November Site Rent \$6,800.00
Component Description: Amount:	Subcarrier Communications- Tower and Building Lease Agreement- August Site Rent \$6,800.00

	Component Description: Amount:	Old Doppler Tower Removal a Subcarrier Tower ASR# 1053361 \$4,600.00
10 Ton system	Component Description:	Two three ton mini split air unit for cooling transmitter equipment at new transmitter
	Amount:	site (Subcarrier Building) \$15,800.00
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 building
	Amount:	\$8,820.00
Transformer 3 phase/480v - 300 KVA	Information not provided.	
Switchgear - industrial 800 amp	Component Description:	Switch gear_Purchase and installation of materials for the
	Amount:	electrical system in the new transmitter building \$36,300.00
Service entrance 3 phase/800 amp /208 volt	Information not provided.	

Component Description: Amount:	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
Amount:	\$293,957.25
Component Description: Amount:	West Texas It Consulting_Transmitter Remote/ User Interface Computer and Network Switch Justification Cover Letter, Invoice, Signed PO and Quote \$485.26
Component Description: Amount:	Broadax Systems Inc_Transmitter Remote/ User Interface Computer and Network Switch Justification Cover Letter, Invoice, Signed PO and Quote \$1,381.00
	Amount: Component Description: Amount: Component Description: Component Description:

Antennas

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Antenna SAA28- ATW_P3- J300-ES6R- 28	\$178,643.91	\$173,353.91		\$170,453.91	
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
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$18,450.00	See attached antenna quotation.	\$18,450.00	N/A
Sweep test of existing antenna	\$6,730.00	\$6,400.00	N/A	\$3,500.00	N/A

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 most radome in white. The panels will be replaced to match.
Sub-total	\$178,643.91	\$173,353.91	N/A	\$170,453.91	N/A
Total for all systems	\$2,132,204.53	\$1,770,657.94	N/A	\$1,439,142.64	N/A

Components

Actual Information	
Description	File Name

for side mount high/med power antennas (if not included in antenna base cost)	Component Description:	Radio Frequency Systems_Remaining balance due for
	Amount:	scatter study analys \$500.00
	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
Side mount brackets for		
high power antennas (if not included in antenna base cost)	Component Description:	RFS_Antenna moun 45% Deposit due two weeks after order_ Custom designed
	Amount:	antenna mount \$8,302.50
	Component Description:	RFS_Antenna moun
	component Description.	45% Deposit due eight weeks after order_ Custom designed antenna
	Amount:	mount \$8,302.50
	Component Description:	RFS Antenna
		Custom Designed Mount_ Remaining Balance
	Amount:	\$1,845.00

Sweep test of existing		
antenna	Component Description:	Marsand_Antenna and Line
		Sweep_Invoice,
		Signed Po and
		Estimate
	Amount:	\$3,500.00

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. \$142,500.00
	Component Description: Amount:	RFS_Radome Panels_Variance Cover Letter, Invoice, Signed PO and Quote \$1,003.91
	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 N/A
	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 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 Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Justific
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 origina submit our Fc 399 Bu Estima we we under imprese that w had f inpu numbe regardl of the accura We budge low in instan due to tard respor from t
Sub-total	\$66,600.00	\$31,790.75	N/A	\$31,790.75	N/A
Total for all systems	\$2,132,204.53	\$1,770,657.94	N/A	\$1,439,142.64	N/A

Actual Information	
Description	File Name

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_Transmission
		Line 45% Deposit
		due two 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

Tower Equipment and Rigging Costs

Cost Information

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

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower GTOWER	\$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 Riggin Tall 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	\$1,770,657.94	N/A	\$1,439,142.64	N/A

Actual Information	
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 \$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 \$9,000.00
	<i>Q</i> , <i>Q</i>
Component Description:	30% down payment for all tower modifications and services - ASR# 1053361. Less the amounts for the Application Fee (\$3,000.00), Design Drawing Package (\$10,700.75) and Tower Study 1 (\$1500.00) and 2 (\$2500.00).
Amount:	\$47,097.48

Structural engineering ower 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
Minor tower reinforcement		
/modifications	Component Description:	Change Order_
		Price for
		Modifications and
		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
		constraints and
		schedule.
	Amount:	\$119,685.54
	Component Description:	Tower Modification
	Component Description.	Design Drawing
		Package
		ruonago

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

Component Description:KPBT -
Remobilization Fee
\$1,600.00Amount:\$1,600.00Component Description:KPBT - Foundation
Mapping
\$3,900.00Amount:\$3,900.00

Component Description:

Amount:

Component Description:

Amount:

Component Description:

Component Description:

Amount:

Amount:

Amount:

Mapping \$3,500.00

KPBT - Tower

KPBT -

Geotechnical Investigation

\$3,300.00

KOSA -Remobilization Fee \$2,755.00

Three man crew arrived at site ASR# 1233693 to perform structural analysis, tower mapping and inspection. Tower owner rep would not reduce power to a safe limit to perform duties. \$2,755.00

KPBT - Structural Analysis \$1,500.00

Short Tower (less than 500') Ir

Information not provided.

Component Description:

Outside Professional Services

Cost Information

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 (Justifica
Outside Professional Services	\$97,490.00	\$103,120.00		\$52,043.25	
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 va \$3,000 the es budget to O Profe Servic Survey resulte provic best e bas conve witt cons eng
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$4,070.00	The variance of \$70.00 over the previously estimated budget amount is a direct result from ongoing Pre- Repack tower lease termination negotiations between GSB Law, KPBT and Gray Communications. We provided best estimate costs in the original Form 399.	\$4,070.00	The va \$70.00 prev estimate amou direct re ongoi Repac lease te negoi betwe Law, K G Commu We pi best e costs origina 3

Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$5,000.00	N/A	\$4,898.25	1
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$450.00	1
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,700.00	1
Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$16,800.00	The variance of \$9,800.00 over the estimated budget amount to Outside Professional Services- Perform Engineering Study category resulted as we provided our best estimate based on conversations with our consultant	\$12,600.00	The va \$9,800 the es budget to O Profe Ser Per Engir Study resulte provic best e bas conve witt cons

Address transition timing and coordination issues w/ other stations and wireless	\$2,630.00	\$2,500.00	N/A	N/A	1
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	\$2,355.00	1
Project management of the transition	\$55,300.00	\$52,500.00	Please see attached Project Management quotation.	\$10,350.00	1
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$1,620.00	1
Sub-total	\$97,490.00	\$103,120.00	N/A	\$52,043.25	1
Total for all systems	\$2,132,204.53	\$1,770,657.94	N/A	\$1,439,142.64	1

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:	GSB Law_Attorney
and other matters for		Services-pre-repack
shared locations		tower lease termination
		communications
	Amount:	\$360.00
	Component Description:	GSB Law_Attorney
		Services- pre-tower
		lease termination
		communications
	Amount:	\$420.00
	Component Description:	Attorney-TV Repack
		Services- Review Of
		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
		Breaking Current Lease Agreement
	Amount:	Breaking Current Lease Agreement \$240.00

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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:	Attorney-TV Repack Services-Form 1876 Update Banking Contact Information
	Amount:	\$189.00
	Component Description:	Television Repacking Services \$690.00
	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

Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Component Description:	Marsand_Prepare Engineering Portion of License To Cover
	Amount:	Application \$450.00
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	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
	Component Description:	Marsand_Priority Filing Window; Perform Engineering Section of FCC Form 2100, Construction Permit Application
	Amount:	\$900.00

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

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-Upload
		Replacement Invoice
		Issues
	Amount:	\$120.00
	Component Description:	Attorney-TV Repack
		Service-Form 399
		Reimbursement
		Justification For B&T
		Group
	Amount:	\$120.00
	Component Description.	Attornov TV Donock
	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
	Amount.	φ120.00
	Component Description:	Attorney TV Repack
		Services- Ten week
		transition communications
		uansilion communications
	Amount:	\$360.00

Project management of the transition	Component Description:	Marsand_Project Management Services; assist with progress of installation, coordinate vendors, monitor timing and issues \$7,950.00
	Component Description: Amount:	Marsand_Preliminary Project Management \$2,400.00
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	Component Description: Amount:	Attorney Fees Form 2100 Form 399 STA \$1,500.00
	Component Description: Amount:	Repack Services \$120.00

Other Expenses

Cost Information

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		\$61,725.67	
MVPD Notification of Channel Change	\$2,500.00	\$2,500.00	The variance of \$1300 over the previously estimated budget 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	\$2,500.00	The variance is a direct result from the work performed by Widelity.

Equipment Delivery and Handling Charges	\$33,445.67	\$33,445.67	Permian Machinery Movers cost difference from hiring alternate crane company to perform the relocation of the generator, auxiliary fuel tank and UPS.	\$33,445.67	The variance of \$850.00 over the previously estimated budget amount in the Other Expenses- Equipment Delivery and Handling Charges category resulted from Permian Machinery Movers hiring another crane company able and capable to perform the job.
Disposal Costs (for equipment and other waste, net of any salvage value)	\$15,000.00	\$15,000.00	Disposal of old transmitter, antenna, line and misc. electrical.	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$11,000.00	N/A	\$3,780.00	N/A
Develop and air announcement of upcoming channel change	\$6,000.00	\$6,000.00	N/A	N/A	N/A

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.	\$22,000.00	N/A
Sub-total	\$128,495.67	\$127,945.67	N/A	\$61,725.67	N/A
Total for all systems	\$2,132,204.53	\$1,770,657.94	N/A	\$1,439,142.64	N/A

Actual Information Description	File Name	
MVPD Notification of Channel Change	Component Description: Amount:	Widelity_MVPD Notification- research and contact all relavant MVPD entities impacted by station move by mail and/ or email \$2,500.00
Equipment Delivery and Handling Charges		
	Component Description:	RFS-Antenna and Mount Freight Charges
	Amount:	\$13,125.00
	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:	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) \$6,500.00
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 transmitter building \$193.67
Component Description:	RFS- 4" Heliflex Transmission Line-
Amount:	Shipping Charges \$7,332.00
Component Description:	Permian Machinery Movers_Variance Cover Letter, Change Order Invoice, Change Order PO, Change Order Quote, Original Invoice and Original Quote \$850.00

	Component Description: Amount:	Provided two forklifts, two operators and one assistant to unload antenna, radome crate and antenna mount pallet \$2,250.00
	Component Description: Amount:	Permian Machinery Movers_Unloading of transmission line and mounting hardware pallet \$950.00
	Component Description: Amount:	Loading, transporting & unloading of transmitter equipment crates from Delton Construction (Secured facility) to new transmitter site (Subcarrier building) \$1,650.00
Disposal Costs (for equipment and other waste, net of any salvage value)	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Widelity_Medical Notification- indentify medical associations and industry groups impacted by the station move and contact them by mail and/ or email. \$3,780.00

announcement of upcoming channel change		
Studio to Transmitter Link		
	Component Description:	Suddenlink_Station
		To Transmitter
		Link_Ethernet/ Fiber
		Construction
	Amount:	\$22,000.00

Cost	Grand Total			
Information		Predetermined Cost Estimate	Estimated Cost	Actual Cost
	Total for all systems	\$2,132,204.53	\$1,770,657.94	\$1,439,142.64

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

Certification	Section	Question	Response
	Submission of Estimated Expenses Statements	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.	
		 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. 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).
- The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Robert Brescia Chairman of the Board 04/18/2019

Certification	Section	Question	Response
	Submission of Actual Cost Documentation Statements	WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).	
		 The Authorized Person signing below certifies and represents that he /she is authorized to submit this TV Broadcaster Relocation Fund Reimbursement Form on behalf of the above-named entity. 	
		2. The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.	
		3. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.	

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

 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission. 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested. 	
I declare, under penalty of perjury, that I am an authorized representative of the above- named applicant for the Authorization(s) specified above.	Robert Brescia Chairman of the Board
	04/18/2019

Attachments