

**BTM Services LLC**  
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## Estimate

**ADDRESS**

Mike Ramos  
 City Of Deerpark  
 7110 E San Augustine,  
 Deerpark, Texas 77536

**ESTIMATE #** 1166  
**DATE** 11/19/2019

**JOB CONTACT**

Mike Ramos

**SITE NAME**

Deerpark Emergency Services

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
<b>Foundation</b>	Furnish and Install Monopole Foundation, Preliminary design is for a 60" x 20' 6" drill pier foundation. **Design to be finalized after engineering complete, this cost could change.**	1	38,490.00	38,490.00
<b>Design</b>	Texas PE Stamped Foundation Design and Monopole Structural Analysis. **Engineering drawings per design and Custom foundation based on supplied soil report, to be P.E. sealed by a Registered Professional Engineer.**	1	1,830.00	1,830.00
<b>Monopole</b>	Furnish (1) 100' monopole with Top Mount and Standoff Arm for Single Antenna 36" Arm with pipe at 43', 40', 37' or 32'	1	39,600.00	39,600.00

ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
<b>Shipping</b>	level Shipping of monopole and anchor bolt package separately	1	5,570.00	5,570.00
<b>Install</b>	Installation of Monopole, Top Mounts and Standoff arms	1	16,140.00	16,140.00
<b>Install</b>	Furnish and Install Monopole TIA-G standard Grounding System.	1	4,820.00	4,820.00
<b>Remove</b>	Removal and haul off of existing tower.	1	4,420.00	4,420.00
<b>Remove</b>	Removal and haul off of Tower foundation to 36" below grade.	1	5,800.00	5,800.00
<b>Remov/Replace</b>	Remove and Replace (4) Point to Point antennas, (3) Omni Stick Antennas, (1) Flat Panel, and (1) Weather Station, all associate cables, grounds and mounts from existing tower to new pole.	1	5,440.00	5,440.00
<b>Align</b>	Path Alignment of (4) Point to Point antennas, times includes (2) tower crew members on each end of the path for 3 hours per antenna.	1	4,080.00	4,080.00
TOTAL				<b>\$126,190.00</b>

Accepted By

Accepted Date