



Tom O'Connor, Operations Engineer  
*WLAE-TV/LAE Productions*  
*3330 N. Causeway Blvd. Suite 345*  
*Metairie, LA 70002*  
*Phone: (504) 378-3780*

*Proposal Number: P17\_3069\_001*

*Your FDH Velocitel Contact is:*  
*Jon Marcusse*  
*100 West Main Street, Suite 400*  
*Lansdale, PA 19446*  
*Cell: 214-717-2282*  
*E-Mail: jon.marcusse@fdhvelocitel.com*

**(Quotation valid 60 Days from Proposal Date)**

All proposals are subject to final review and acceptance by Stainless, a business of Velocitel, Inc. d/b/a FDH Velocitel



3/17/2017

Tom O'Connor, Operations Engineer  
WLAE-TV/LAE Productions  
3330 N. Causeway Blvd. Suite 345  
Metairie, LA 70002

**Re: Proposal # P17\_3069\_001**  
**Existing 1049 Ft. Stainless Tower**  
**Location: New Orleans, LA**

Dear Tom

In response to your inquiry, Stainless, a business of Velocitel, Inc., d/b/a FDH Velocitel ("Stainless"), is pleased to submit the following proposal to perform a full Field Service Maintenance Inspection on the above referenced tower.

The field service maintenance inspection will consist of performing a full-climb evaluation of the tower as referenced, preparing a written report with photos, thoroughly documenting the findings and providing conclusions regarding the assessment of the structural condition of the tower, as can be visually observed. Reference the list below for tasks to be completed during the field evaluation.

### **SCOPE OF WORK – FIELD EVALUATION TASKS**

Each inspection shall consist of the following at a minimum:

- A) Structure Condition
  - 1) Damaged members (legs and bracing)
  - 2) Loose members
  - 3) Missing members
  - 4) Climbing facilities, platforms, catwalks – all secure
  - 5) Loose and/or missing bolts and/or nut locking devices
  - 6) Visible cracks in welded connections
- B) Finish
  - 1) Paint and/or galvanizing condition
  - 2) Rust and/or corrosion condition including mounts and accessories
  - 3) FAA or ICAO color marking conditions
  - 4) Water collection in members (to be remedied, e.g., unplug drain holes, etc.)
- C) Lighting
  - 1) Conduit, junction boxes, and fasteners (weather tight and secure)
  - 2) Drain and vent openings (unobstructed)
  - 3) Wiring condition
  - 4) Light lenses
  - 5) Bulb condition
  - 6) Controllers (functioning)
    - a) Flasher
    - b) Photo control
    - c) Alarms
- D) Grounding



- 1) Connections
- 2) Corrosion
- 3) Lightning protection (secured to structure)

E) Antennas and Lines

- 1) Antenna condition
- 2) Mount and/or ice shield condition (bent, loose, and/or missing members)
- 3) Feed line condition (flanges, seals, dents, jacket damage, grounding, etc.)
- 4) Hanger condition (snap-ins, bolt on, kelling grips, etc.)
- 5) Secured to structure

F) Other appurtenances (walkways, platforms, sensors, floodlights, etc.)

- 1) Condition
- 2) Secured to structure

G) Insulator Condition

- 1) Cracking and chipping
- 2) Cleanliness of insulators
- 3) Spark gaps set properly
- 4) Isolation transformer condition
- 5) Bolts and connection secure

H) Guys

- 1) Strand condition (corrosion, breaks, nicks, kinks, etc.)
- 2) Guy Hardware Conditions
  - a) Turnbuckles or equivalent (secure and safety properly applied)
  - b) Cable thimbles properly in place (if required)
  - c) Service sleeves properly in place (if required)
  - d) Cable connectors (end fittings)
    - (i) Cable clamps applied properly and bolts tight
    - (ii) Wire serving properly applied
    - (iii) No signs of slippage or damaged strands
    - (iv) Preformed wraps – properly applied, fully wrapped, and sleeve in place
    - (v) Poured sockets secure and showing no separation
    - (vi) Shackles, bolts, pins and cotter pins secure and in good condition
- 3) Guy Tensions
- 4) Measure guy tensions (refer to Annex K)
- 5) Record temperature, wind speed and wind direction

Notes:

- 1) Minor variations in guy tensions are to be expected due to temperature and low wind speed conditions. The cause of significant changes should be determined immediately and proper remedial action taken. Possible causes may be initial construction loosening, previously experienced extreme wind or ice, anchor movements, base settlement, or connection slippage.
- 2) Tension variations at a single level are to be expected because of anchor elevation differences, construction deviations, and wind effects.

I) Concrete Foundations

- 1) Ground condition
  - a) Settlement, movement or earth cracks
  - b) Erosion
  - c) Site condition (standing water, drainage, trees, etc.)
- 2) Anchorage condition
  - a) Nuts and/or nut locking device (tightened)
  - b) Grout condition
  - c) Anchorages and/or anchor rod condition



- 3) Concrete condition
  - a) Cracking, spalling, or splitting
  - b) Chipped or broken concrete
  - c) Honeycombing
  - d) Low spots to collect moisture
- J) Guyed Mast Anchors
  - 1) Settlement, movement or earth cracks
  - 2) Backfill heaped over concrete for water shedding
  - 3) Anchor rod condition below earth (Maintain required structural capacity of anchor during exploration. Attachment to temporary anchorage may be required)
  - 4) Corrosion control measures (galvanizing, coating, concrete encasement, cathodic protection systems, etc.)
  - 5) Anchor heads clear of earth
- K) Tower Alignment
  - 1) Tower Plumb and Twist (See Figures J-1 and J-2)

This report is based on the Minimum Tower Maintenance and Inspection Procedures as recommended by ANSI/TIA STANDARD "Structural Standards for Steel, Antenna Towers and Antenna Supporting Structures" (TIA/EIA-222-G) Annex "J.1", Page 213.

#### GENERAL NOTES:

This work order is for a field evaluation only. No material or installation is provided under this work order, however it is the intent of Stainless to use the results of this evaluation to determine the feasibility of repairing the existing tower. Therefore, any pertinent data required to accurately estimate any repairs at this site will be included in the report.

The customer has requested Stainless to prepare and submit to customer a field evaluation with respect to the subject tower and has further requested Stainless to make appropriate recommendations regarding suggested structural modifications and changes to the subject tower. In making such a request of Stainless, customer has informed Stainless that customer will make a determination as to whether or not to implement any of the changes or modifications that may be suggested by Stainless.

The customer hereby agrees and acknowledges that Stainless shall have no liability whatsoever to customer or to others for any work or services performed by any persons other than Stainless in connection with the implementation of any structural changes or modifications recommended by Stainless..

**Total Price For Above ..... \$ 8,083.00**

#### PAYMENT TERMS:

**50% Down payment with signed contract  
50% Upon completion of evaluation**



**Stainless, a business of Velocitel, Inc. d/b/a FDH Velocitel**

Jon Marcusse, National Sales Manager - Broadcast

Accepted by:  
WLAE-TV/LAE Productions

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Tom O'Connor, Operations Engineer

DATE: 04 / 17 / 2017

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