



Harvey Construction Corporation
10 Harvey Road
Bedford, NH 03110
Telephone (603) 624-4600
Facsimile (603) 668-0389
www.harveyconstruction.com

January 12, 2015

Capt. William Breault
Dover Police Department
Field Operations Division
Dover, NH Police Department

RE: Recommendation of Award
WRIGHT COMMUNICATIONS
COMMUNICATIONS TOWER
Dover Police Facility and Public Parking Garage/Orchard Street Reconstruction

Dear Mr. Breault,

Harvey Construction is seeking approval to award the **COMMUNICATIONS TOWER** contract for subject project to **WRIGHT COMMUNICATIONS** for the total amount of **Sixty Three Thousand Three Hundred Sixty Two Dollars and 0.50/100 (\$63,362.50)**. Scope of work in accordance with the Dover Police Facility and Public Parking Garage Plans dated 11/17/14, Site Development Plans dated 6/30/14 and Orchard Street Reconstruction – Subdivision Plans dated June 2014 prepared by CLD Engineers and Lavallee Brensinger.

If you have any question or concerns, please advise.

Very Truly Yours,

Harvey Construction Corporation

Andrew P. Martino, P.E., LEED AP
Project Manager

I hereby authorize Harvey Construction to enter into a contract agreement with the aforementioned subcontractor/supplier on behalf of the City of Dover for the amount stated above.

Capt. William Breault

1/13/15
Date

Harvey Construction
 Job: **DOVER PD/PARKING GARAGE**

Bid Tabulation Sheet
 Bid Date: **12/22/2014**

Trade:	Communication Tower	HCC Budget	Co. Contact: Phone:	Wright Comm Mike L 228-8148 12/22/2014	Co. Contact: Phone:	Utility Service Tom Skeff 625-4503 NO BID
Spec. Sections:	Division					
Scope Check List						
Base Bid	Police Facility Parking Garage 100% Payment & Performance Bond	\$ - \$ -		63,362.50 -		
Documents	Dover Police Facility and Public Parking Garage Vol #1, dated November 17, 2014. Dover Police Facility and Public Parking Garage Vol #2, dated November 17, 2014. Dover Police Facility and Public Parking Garage – Site Development Plans 6/30/14 Orchard Street Reconstruction – Subdivision Plans June 2014 Dover Police Facility and Public Parking Garage – Site Landscape Plan 6/25/14 Specifications: Dover Police Facility and Public Parking Garage, Dover New Hampshire, dated November 17, 2014. City of Dover Department of Public Works – Current Specs State of New Hampshire DOT Specs					
RFI's	1 to 11 RFI #12 - Issued 12/18/14 Post Bid Review RFI #11 # 5/6/& 7: HCC Clarification 12/18/14 Tower Foundation Installation & Excavation will be by Others. Tower Foundation Design is by the Tower Vendor. Tower Grounding System will be designed by Tower Vendor per details shown on T7.4 Tower Grounding System will be installed by Electrical Contractor. Concrete Foundations and excavations will be by others. The Roof Mounted Cable Tray/Ice Bridge will be supplied and installed by the Electrical Contractor in coordination with the Roofing Contractor The Electrical Contractor will provide the racks in the Radio Room as described in #5.					
Addendum	1 & 2					
Bid Pkg	Prepared by HCC dated 12/5/14 REV#1					
Scope	Divisions 33 81 16 Furnish and Install Tower Antenna Mounts PE Design - Tower & Foundation Crane Grounding Design					
Exclusions	Tower Foundation Installation & Excavation will be by Others. Tower Grounding System will be installed by Electrical Contractor. Concrete Foundations and excavations will be by others. The Roof Mounted Cable Tray/Ice Bridge will be supplied and installed by the Electrical Contractor in coordination with the Roofing Contractor The Electrical Contractor will provide the racks in the Radio Room as described in #5. City antenna or radio installation					
Total		NO BUDGET		63,362.50		

WRIGHT COMMUNICATIONS
711 RIVERWOOD DRIVE
PEMBROKE, NH 03275

Tel: 603-228-8148 Fax: 603-225-7369 wright@wright2way.com

Proposal

Date	Proposal #
12/22/2014	1678

Name / Address
Harvey Construction Corporation 10 Harvey Road Bedford, NH 03110 ATTN: Andrew Martino



Terms	Net 30
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Description	Total
PROPOSAL FOR FURNISHING & INSTALLING NEW RADIO ANTENNA MONOPOLE FOR NEW DOVER POLICE BUILDING	
Material for Monopole (Specifications attached). (Includes Monopole & Anchor Bolt Steel, (6) 6FT Sidearm Antenna Mounts, PE Tower Design, PE Foundation Design.	32,083.75
Monopole Freight	10,142.50
Anchor Bolt Freight	848.75
Mobilization	1,700.00
Crane for Monopole Installation	2,437.50
Labor for Installation of Monopole	6,812.50
Soil Resistivity Test & R56 Ground System Design for Monopole	8,287.50
Project Management	1,050.00
NOTES: 1. Any item not listed in the above proposal is considered to be outside of Wright Communications', its suppliers' and its subcontractors' scope of work. 2. Crane pricing is based on the ability to position the turret center of the crane to within 20FT of the proposed monopole center. 3. Prevailing wages are not included.	

Total	\$63,362.50
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Proposal valid for 30 days.

Authorized
Signature _____

All material is guaranteed to be as specified. All work to be completed in a professional manner according to standard practices. Any alteration or deviation from above specifications will become an extra charge over and above the original written estimate. All agreements contingent upon strikes, accidents, or delays are beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by workers compensation insurance.

ACCEPTANCE OF PROPOSAL The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as specified under the TERMS column. Prepayment is required for all first time clients. A late charge of 18% per annum will be assessed on all overdue balances. Late fee will be waived where prohibited by law, such as with certain government organizations. Delinquent accounts may be served on a prepayment/C.O.D. basis.

This document contains trade secret and confidential business or financial information and is subject to legally binding non-disclosure obligations. It shall not be disclosed without written authorization from a duly authorized agent of Wright Communications. This non-disclosure clause is void where prohibited by law, such as with certain government organizations.

Date of Acceptance _____

Customer Authorization _____

Proposed Pole Specifications and Notes from Manufacturer

Classification of Structure:

- Class Three
Structures used primarily for essential communications such as: civil or national defense, emergency, rescue or other disaster operations, military and navigation facilities.

Exposure Category:

- Exposure C
Open terrain with scattered obstructions having heights generally less than 30 feet. This category includes flat, open country, grasslands and shorelines in hurricane prone regions. *Exposure C is the standard default for exposure categories.*

Topographic Category:

- Category I
No abrupt changes in general topography, e.g. flat or rolling, no wind speed-up consideration shall be required. *Category one is the standard default for the topographic categories.*

This quotation is based on ANSI/TIA-222-G and Customer provided specifications. Any information not provided by ANSI/TIA-222-G or the Customer has not been considered.

Foundation and anchor bolt designs are based strictly on ANSI/TIA-222-G. Any additional requirements may result in increased foundation size and price increases.

Dimensional information is preliminary only; it may change based on final engineering.

All Sabre mounts are designed in accordance with antenna specifications. If different pipe size is required at time of order, additional costs may be incurred.

Cable type safety climbing device provided does not include harness.

Sabre's standard access port size is 6" x 12". If access ports other than as specified in this proposal are required, additional costs may be incurred.

Three (3) access ports will be provided. Elevations and azimuths must be specified at the time of order.

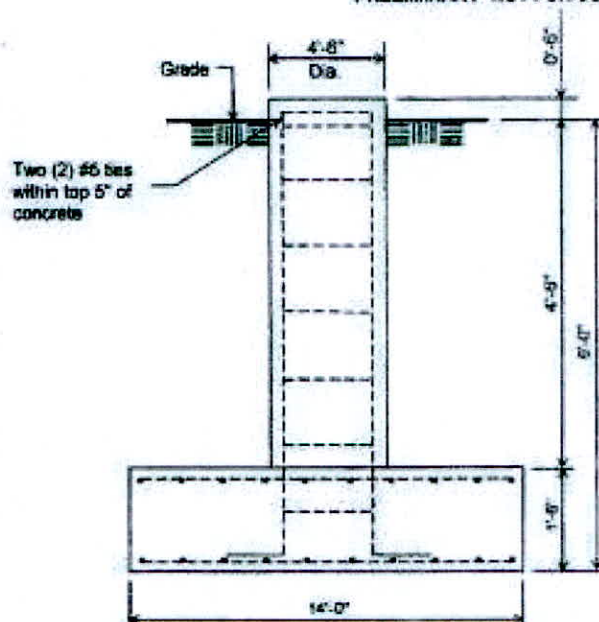
Materials to be provided include:

Complete monopole steel and hardware
Anchor bolts and templates, (4) bolts 84" long
Step Bolts
Seven (7) 6" x 12" access ports with J hooks (see notes)
Three (3) 10.5" x 25.5" access ports (see notes)
DBI 100' Safety Climb ~~with~~ harness
One (1) 10" x 3/4" lightning rod copper clad and stiffener
One (1) 2-7/8" x 15' lightning rod ext.
P.E. certified profile drawings (see notes)
P.E. certified foundation design (see notes)
Final erection drawings

Customer: TLC ENGINEERING FOR ARCHITECTURE
Site: City of Dover, NH

90' Monopole at
95 mph Wind with no ice and 40 mph Wind with 1 in. ice per ANSUTIA-222-G

PRELIMINARY -NOT FOR CONSTRUCTION-



ELEVATION VIEW
(13.63 Cu. Yds. each)
(1 REQUIRED; NOT TO SCALE)

Notes:

- 1). Concrete shall have a minimum 28-day compressive strength of 4000 PSI, in accordance with ACI 318-05
- 2). Rebar to conform to ASTM specification A615 Grade 60.
- 3). All rebar to have a minimum of 3" concrete cover.
- 4). All exposed concrete corners to be chamfered 3/4".
- 5). The foundation design is based on the geotechnical report by Ransom Consulting, Project No. 131.06058, dated March 10, 2014.
- 6). See the geotechnical report for compaction requirements, if specified.
- 7). The foundation is based on the following factored loads:
Moment (kip-ft) = 584.75
Axial (kips) = 9.28
Shear (kips) = 9.69

Rebar Schedule per Pad and Pier	
Pier	(20) #7 vertical rebar whooks at bottom w/#5 ties, two within top 5" of top of pier then 12" C/C
Pad	(18) #8 horizontal rebar evenly spaced each way top and bottom (64 Total)

8). This is a design drawing only. Please see final construction drawings for all installation details.

Designed Appearance Loading

Size	Material	Weight
14"	20 1/2" x 20 1/2" x 1/4"	10.5 lbs./sq. ft.
14"	20 1/2" x 20 1/2" x 1/4"	10.5 lbs./sq. ft.
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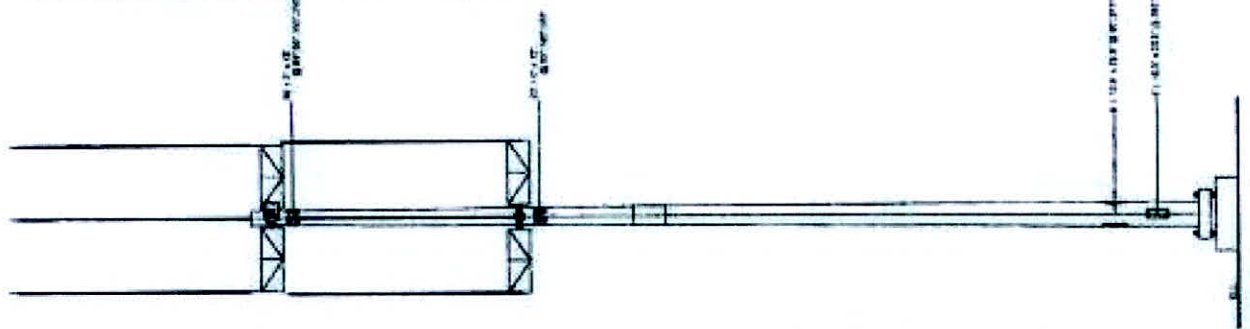
Load Case Reactions

Direction	Reaction	Reaction	Reaction	Reaction
14"	14"	14"	14"	14"
14"	14"	14"	14"	14"
14"	14"	14"	14"	14"
14"	14"	14"	14"	14"
14"	14"	14"	14"	14"

Base Plate Dimensions

Width	Height	Material	Notes
14"	14"	14"	14"
14"	14"	14"	14"

- Note**
- 1) All dimensions are shown ground level, unless otherwise specified.
 - 2) Weights shown are approximate, final weights may vary.
 - 3) This drawing was prepared for a base and tower of 14" x 14" x 1/4" steel pipe and 40 inch x 1" of steel plate, in accordance with ANSI/TIA-222-C-3 (2003), Section Class B, Standard Category C, Telecommunications.
 - 4) Full height pipe data.



BASE AND TOWER DIMENSIONS AND WEIGHTS (FROM TIA-222-C-3)

Part	Material	Weight	Notes
1	14"	14"	14"
2	14"	14"	14"
3	14"	14"	14"
4	14"	14"	14"
5	14"	14"	14"
6	14"	14"	14"
7	14"	14"	14"
8	14"	14"	14"
9	14"	14"	14"
10	14"	14"	14"

Sabre Industries
SABRE INDUSTRIES, INC.
4000 W. 10th Street, Suite 200
Tulsa, Oklahoma 74107
Tel: (918) 432-1000

Sabre Communications Corporation
1700 W. 10th Street
Tulsa, Oklahoma 74107
Tel: (918) 432-1000

10-001-1-1
1100 W. 10th Street, Suite 200
Tulsa, Oklahoma 74107
Tel: (918) 432-1000



PROPOSAL

Prepared for:	TLC ENGINEERING FOR ARCHITECTURE	Proposal No.:	15-0991-CJP	
	255 South Orange Avenue, Suite 1600	Date:	6/2/2014	Page 3 of 4
	Orlando, FL 32801	Reference:	90' Monopole/City of Dover, NH	
	Attn: Marwan Rashid	Freight:	Origin	Payment Terms: TBD

Freight charges quoted are for provided materials only. Additional freight charges may be incurred with the order of additional items.

All antennas, transmission lines, jumpers, ground kits, hangers, and hardware are to be provided and installed by others.

All monopole materials will be hot dip galvanized as outlined in ASTM A-123.

This proposal does not include any sales, use, excise, contractor or any other taxes not specifically detailed in this proposal.

Optional items do not include installation prices.

The permit package includes a profile drawing of the structure with member sizes; descriptive notes; structural calculations; a table of supported antennas, mounts and feedlines; and a foundation sketch and calculations (if applicable).

Storage charges of \$350.00 per month may apply starting sixty (60) days after original scheduled ship date.

Due to material price fluctuations, Sabre reserves the right to review all material pricing prior to accepting any order. Any structure order placed on hold is subject to a price review at the time of its release from hold status.

Due to freight price fluctuations, Sabre reserves the right to review all freight pricing prior to accepting any order.

Pricing is subject to review at the time of order. Additional costs may be applied at that time.

Title, ownership, risk of loss, risk of material obsolescence and risk of material market value decline shall pass to the Customer upon invoicing or shipment to Customer, whichever occurs earlier in time.