
Dodge County Grant Proposal Bi-Directional Amplifier

I. Proposal Summary

The Dodge County Sheriff's Office is attempting to increase radio coverage throughout the Dodge County Courthouse. Currently, there are numerous spots within the Courthouse where a Deputy/Officer or Staff are unable to communicate via their radio with Law Enforcement. The purchase of a Bi-Directional Amplifier (BDA) would increase radio coverage to eliminate all "dead spots" within the structure.

II. Dodge County Description and Background

The Dodge County Courthouse was built in the historic town of Mantorville in 1865 and at that time building materials were very different than what is offered in today's market. In 1865, the main building material were that of natural stone or wood, the Dodge County Courthouse is no exception to this. The Courthouse was built on what was available and in abundance at the time, Limestone, very thick and dense Limestone. So thick in fact, that when the recent remodel took place, contractors had to hand "Jack-Hammer" through almost 10 feet.

These natural materials make things very difficult for today's technologies. In fact, the Dodge County Sheriff's Office current radio equipment is rendered inoperable in certain areas of the Courthouse structure. Areas included are, the entire lower level of both the original Courthouse and Annex and areas on the Main Level of the Courthouse.

III. Project Description

The Dodge County Sheriff's Office's has one very important priority, Safety. Safety for not only the community and visitors of Dodge County, but for previously, currently, and future staff of Dodge County. With safety as such an important priority, the communication between Deputies/Officers and Staff is a key. As it currently sits, the Dodge County Courthouse structure has hindered this communication, so much to the fact that in some areas the only form of communication is that of a "hard-lined" telephone.

Members of the Dodge County Sheriff's Office and the Dodge County Office of Emergency Management have recognized this problem and are currently attempting to address it by the purchase and installation of a Bi-Directional Amplifier (BDA). A BDA would allow Deputies/Officers and Staff to communicate with the Dodge County Public Service Answering Point (PSAP) and other Deputies/Officers and Staff.

For example, currently when a Civilian Transport Deputy has an inmate for court, they are escorted to the holding cell. The holding cell, which is in the basement, creates a structural interference with any communication with Dodge County PSAP or other member(s) of the Dodge County Sheriff's Office. This creates a huge safety risk not only for the Civilian Transport

Deputy but also for any staff members that work in the Courthouse if for some reason the Deputy was to be over-powered and loose custody of the inmate.

Another example is the staff of Drug Court. The Drug Court Offices are located in the basement of the courthouse, again having structural interference and unable to reach Deputies or other Staff if an incident were to occur.

Dodge County is a great county to work for, but we cannot achieve a level of safety we desire with such gaps, or lack of signal in our case, in communications. The Dodge County Sheriff's Office believes that the combination of current Security Measures and the purchase of the BDA, the Sheriff's Office will achieve their number one priority – safety.

A quote was received from Whitewater Wireless (Rochester, MN) in the amount of \$19,424.25, installed.

IV. Project Timeline

Communication was established with Whitewater Wireless (Rochester, MN) for a quote and installation of the BDA (See Above for Price). During this communication, it was discussed that the timeline of completion would be approximately 4 days, with very limited interference with the day-to-day operations of both the Courthouse and MN Prairie Employees. If a grant was approved today, it would take 7-10 business days to order the necessary equipment and installation would begin shortly after the arrival of equipment.

V. Funding

Communication has been established with the Regional Grant Coordinator for the Southeast Minnesota Region, and at this time this is an equipment grant available through the State of Minnesota SESB. This grant is a 50/50 grant, meaning Dodge County would have to pay the entire amount at the time of installation and once the proper paperwork is received by the State, they would reimburse Dodge County for 50 percent of the cost.

Quotation

Whitewater Wireless, Inc.

1929 2nd Street SW
Rochester, MN 55902
(507) 281-1917

52 Western Ave SW
Faribault, MN 55021
(507) 334-6481



Quoted To: Dodge County Sheriff
Attn: Mike Burton
22 East 6th St.
Mantorville MN 55955

Quote #: 3571
Quote Date: 2/17/2016

Customer ID	Good Thru	Payment Terms	SalesRep
Dodg03		Net 30 Days	Rollie Frank

Quan	Description	Unit Price	Ext. Price
0	Design and Engineer BDA for Dodge County LEC and Court House.	\$0.00	\$0.00
1	CSI BDA	\$8,125.00	\$8,125.00
1	12dB Yagi Antenna	\$128.00	\$128.00
850	1/2 Air Plenum Transmission Line	\$2.54	\$2,159.00
50	1/2 Heliac Transmission Line	\$3.18	\$159.00
26	"N" Male Connector	\$24.68	\$641.68
1	"N" Female Connector	\$24.68	\$24.68
3	3' Coaxial Jumpers NM-NM	\$63.45	\$190.35
1	3' RG142 Jumper NM-NF	\$58.75	\$58.75
1	3' RG142 Jumper NM-NM	\$61.96	\$61.96
1	Flange Lightning Arrestor	\$65.00	\$65.00
1	1/2 Ground Kit	\$19.83	\$19.83
8	Indoor Antenna	\$60.00	\$480.00
3	2-Way Splitter	\$90.00	\$270.00
2	6dB Tapper	\$95.00	\$190.00
2	3dB Tapper	\$95.00	\$190.00
1	Design, Engineering, Installation and System Optimization	\$6,484.00	\$6,484.00
1	Shipping	\$0.00	\$0.00

Total Price	\$19,247.25
Total Sales Tax	\$0.00
Total Shipping	\$247.00

Quotation Grand Total **\$19,494.25**