

**RESOLUTION  
ROCK COUNTY BOARD OF SUPERVISORS**

The General Services Committee  
INITIATED BY



Robert Leu  
DRAFTED BY

The General Services Committee  
SUBMITTED BY

March 20, 2015  
DATE DRAFTED

**Retaining Engineering Firm to Prepare Plans and Specifications for Lightning Protection Upgrades at Various County Buildings**

- 1 **WHEREAS**, the buildings at the Rock County Complex have been targets of numerous lightning strikes
- 2 over the years resulting in costly losses and damage to the County's infrastructure, including phone
- 3 systems, IT networks, electronics, and life safety systems; and,
- 4
- 5 **WHEREAS**, in 2009, the County contracted for a lightning protection study for the Communications
- 6 Center that identified a number of lightning protection measures that were then implemented at the
- 7 Center; and,
- 8
- 9 **WHEREAS**, in 2011 the County contracted for a similar lightning protection study of the remaining
- 10 buildings at the Complex, and that study identified lightning protection measures needed for those
- 11 facilities; and,
- 12
- 13 **WHEREAS**, the new Rock Haven Nursing Home was struck by lightning in June of 2014, and should be
- 14 assessed to determine if the building has adequate lightning protection; and,
- 15
- 16 **WHEREAS**, proposals were solicited from engineering firms interested in preparing plans and
- 17 specifications needed for bidding the recommended lightning protection/surge suppression work.
- 18
- 19 **NOW, THEREFORE, BE IT RESOLVED** by the Rock County Board of Supervisors duly assembled
- 20 this 9 day of April, 2015, that a contract to prepare plans and specifications to
- 21 implement lightning protection/surge suppression measures at buildings located at the Rock County
- 22 Complex, including Rock Haven, including construction administrative services, to KJWW Engineering
- 23 of Madison, WI, in the amount of \$46,900.00; and,
- 24
- 25 **BE IT FURTHER RESOLVED** that a design contingency be established in the amount of \$3,000.00 to
- 26 cover additional services as authorized by the General Services Committee; and,
- 27
- 28 **BE IT FURTHER RESOLVED** that payments be made to the firm upon approval of the General
- 29 Services Committee.


15-4A-254

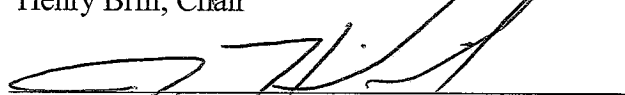
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Respectfully submitted,

General Services Committee:

  
Henry Brill, Chair

  
Jason Heidenreich, Vice Chair

  
Thomas J. Brien

  
Edwin Nash

  
Jeremy Zajac

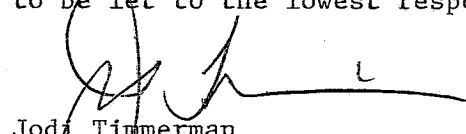
FISCAL NOTE:

Sufficient funds are available in the Lightening Protection Project's Capital Improvement account, A/C 18-1854-0000-67200, for the cost of this contract. This project is being funded by Sales Tax revenue.

  
Sherry Oja  
Finance Director

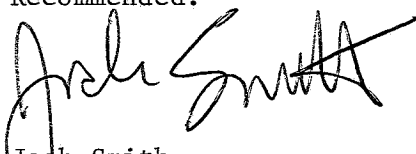
LEGAL NOTE:

The County Board is authorized to take this action pursuant to secs. 59.01 and 59.51 Wis. Stats. In addition, sec. 59.52(29), Wis. Stats. requires the project to be let to the lowest responsible bidder.

  
Jodi Timmerman  
Deputy Corporation Counsel

ADMINISTRATIVE NOTE:

Recommended.

  
Josh Smith  
County Administrator

## **Executive Summary**

### **Retaining Engineering Firm to Prepare Plans and Specifications for Lightning Protection Upgrades at Various County Buildings**

Over the years, countless lightning strikes have occurred at the County Complex. Given our IT infrastructure, and the number of electronic and low voltage systems, lightning strikes, transient voltage, and power surges, can cause significant and costly damage. Lightning is unpredictable, and will bypass a protected building and look for the weakest link in another.

The resolution before you hires KJWW Engineering of Madison to prepare plans and specifications needed to obtain bids for lightning protection and surge suppression work at the Complex. Work at the Communications Center was completed in 2009. The following buildings will be included in this next effort:

Sheriff's Office/Jail  
Youth Services Center  
Health Care Center  
New Rock Haven  
Glen Oaks  
JCC/Diversion Building

The engineering firm will re-confirm recommendations made in a study commissioned by the County in 2011. Rock Haven was not part of the 2011 Study, but in light of the lightning strike that occurred there in June of 2014, it is recommended that Rock Haven's lightning protection be reviewed at this time.

\$108,500.00 is currently budgeted for lightning protection at the Complex. The cost of engineering design services was underestimated, and because Rock Haven was new construction, it was not included nor funded. The assessment, estimate of cost, and final plan documents will be completed by August, with bidding to follow. Once bids are received, additional funding for implementation may be needed. Decisions can be made at that time on phasing, priorities, and inclusion in the 2016 Budget.

ROCK COUNTY, WISCONSIN  
FINANCE DIRECTOR

PURCHASING DIVISION



**QUALIFICATIONS & COST PROPOSAL SUMMARY FORM**

PROJECT NUMBER #2015-14  
PROJECT NAME LIGHTNING PROTECTION ENGINEERING SERVICES  
PROJECT DUE DATE FEBRUARY 26, 2015 - 12:00 NOON  
DEPARTMENT GENERAL SERVICES

	KJWW MADISON WI	ANGUS YOUNG JANESVILLE WI
RATER 1	90	62
RATER 2	100	55
RATER 3	75	35
RATER 4	76	83
RATER 5	100	78
<b>TOTAL SCORE</b>	<b>441</b>	<b>313</b>
DESIGN SERVICES-COMPLEX	21,600.00	46,300.00
ELECTRONIC FILE CONVERSION-COMPLEX	5,500.00	INCLUDED
CONSTRUCTION ADMINISTRATION-COMPLEX	6,400.00	8,000.00
<b>TOTAL COST - ROCK COUNTY COMPLEX</b>	<b>\$ 33,500.00</b>	<b>\$ 54,300.00</b>
STUDY/SURVEY SERVICES - ROCK HAVEN	4,900.00	2,000.00
DESIGN SERVICES - ROCK HAVEN	5,700.00	11,000.00
CONSTRUCTION ADMINISTRATION-ROCK HAVEN	2,800.00	2,500.00
<b>TOTA COST - ROCK HAVEN</b>	<b>\$ 13,400.00</b>	<b>\$ 15,500.00</b>
<b>TOTAL PROJECT COST</b>	<b>\$ 46,900.00</b>	<b>\$ 69,800.00</b>

Request for Qualifications and Cost Proposals was advertised in the Beloit Daily News and on the Internet. Nine additional vendors were solicited that did not respond.

PREPARED BY: JODI MILLIS, PURCHASING MANAGER

DEPARTMENT HEAD RECOMMENDATION: KJWW - Total Project

Robert Lew  
SIGNATURE

3/23/15  
DATE

GOVERNING COMMITTEE APPROVAL:

Henry Brill  
CHAIR

5-0 4/17/15  
VOTE DATE