CS253 HW1

a.

Confidentiality: Low.
Availability: Low.
Integrity: Low.
Reason: The information is public.

b.

Confidentiality: High.
Availability: High.
Integrity:High.
Reason: The info. is extremely senitive and the organization is related to law enforcement.

c.

Confidentiality: Low.
Availability: Low.
Integrity: Low.
Reason: The info. has nothing to do with privacy but is routine administrative information.

d.

For "contract information"
Confidentiality: High.
Availability: High.
Integrity: High.
Reason: The info. is sensitive and the leaking of pre-solicitation phase contract information can result in high economic loss.

For "routine administrative information"
Confidentiality: Low.

Availability: Low.

Integrity: Low.

Reason: The info. is just routine administrative information but not sensitive.

For "the information system as a whole"

Confidentiality: High.

Availability: High.

Integrity: High.

Reason: The impact level of "contract information" is high, and it is an important part of the whole information system, which makes the impact level of system become high.

e.

For "real-time sensor data"

Confidentiality: High.

Availability: High.

Integrity: High.

Reason: The real-time sensor data is used in a SCADA system of a power plant, and its destruction and penetration may lead to faults in energy production and distribution. Further, this power plant supplies electricity to a large military installation, which could have serious implications for national security.

For "routine administrative information"

Confidentiality: Moderate.

Availability: Moderate.

Integrity: Moderate.

Reason: Alought the info. is just routine administrative information, it can be related to defense information. Thus, it deserves more attention.

For "the information system as a whole"

Confidentiality: High.

Availability: High.

Integrity: High.

Reason: The impact level of "real-time sensor data" is high, and it is an important part of the whole information system, which makes the impact level of system become high.