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Item No. 8c_supp
Meeting Date: March 26, 2024
Public Safety Distributed Antenna System
(DAS) Upgrade
C801238 | N06489
Trevor Emtman
AV-PMG

Project Scope
BDA-Bi-Directional Amplifier

- Provides in-building public safety and critical radio coverage to responders at SEA.
- DAS is beyond useful life and needs upgrade to digital and modular design.

2

Project Justification

- Failure can result in loss of radio coverage impacting life-safety and emergency communication.
- Modern equipment can carry multiple frequency range such as 700/800MHz, VHF spectrum, FirstNet Band 14, & LTE.
- Compliance with NFPA-72 & 1225 and fire protection improvements.
- RAC requires a redundant radio coverage system in case of single feeder failure.
- Wireless coverage testing to determine deficiencies.

3

Schedule

2024 2025 2026 2027
Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
PLANNING
CX Design
SD EXECUTED

DESIGN

CONSTRUCTION

CX Construction Substantial
Completion
4

Risks

= High = Medium = Low
Risk Impact Probability Mitigation Plan

Lead Time to Delivery: This is the current lead time to delivery expected
16 weeks - Fiber optic cables as of Q2, 2023. It is expected to go down as the
12 weeks - Wireless equipment project progresses towards construction.
CIBS communication rooms are not 2-hour DAS project is not expected to bring comm rooms
fire rated. to 2-hr fire rating. Coordinate with AV F&I and
POSPD on this risk as the project progresses. AV
F&I and POSFD are working on a solution to make
all comm rooms to be 2-hr fire rated for
continuous fire rating.

5

Cone of Certainty
We are here

6

Requesting

- Commission authorization for \$10,976,000 to complete design, construction, and closeout phases of this project.
- Approval to increase the project budget to a total estimated \$11,226,000.

7

Requested Authorization
Authorization Project Phase Amount

Previous Authorizations Notebook + Survey \$250,000

Current request for Authorization Design + Construction + Closeout \$10,976,000

Total authorizations, including this Notebook + Survey + Design + \$11,226,000
request Construction + Closeout

Remaining amount to be authorized N/A \$0

8

QUESTIONS?

9