



Data Center Modernization & Relocation Project

Organization, Personnel and Technology Committee

Item 7-7

August 18, 2020

CURRENT ACTION

- Authorize an agreement with SHI International Corp. in an amount not-to-exceed \$1,459,234 for the equipment purchase for the Backup Location for the Datacenter Modernization project.

GENERAL PROJECT SCOPE

- Relocate MWD Primary and Backup enterprise data centers to qualified colocation data center service providers. Colocation strategy in-region and out-of-region will provide all necessary infrastructure and services to support current and future MWD needs.

CURRENT STATE ASSESMENT

Facility Findings

Backup/DR Data Center

- Several seismic upgrades needed
- Limited access roads to remote area
- Power supply, backup power and redundancy issues
- Cooling system has recurring reliability problems

PROCUREMENT PROCESS

- Data center equipment vendor selection process used Sourcewell Cooperative Agreement for Public Agencies (effective October 2019 through October 2023)
- Respondents evaluated by MWD with support of subject matter experts
- Final selection based on price and equipment availability

VENDOR SELECTION

- SHI International Corp. was selected due to the immediate availability of the equipment request and best price offered

AGREEMENT SCOPE



- Procurement of equipment
 - LAN & WAN
 - Servers and Storage
 - Physical Infrastructure
- Coordination of equipment delivery to designated locations
- Coordination of partial deliveries as required per schedule
- All purchased equipment is under respective manufacturers warranties
- No professional services included

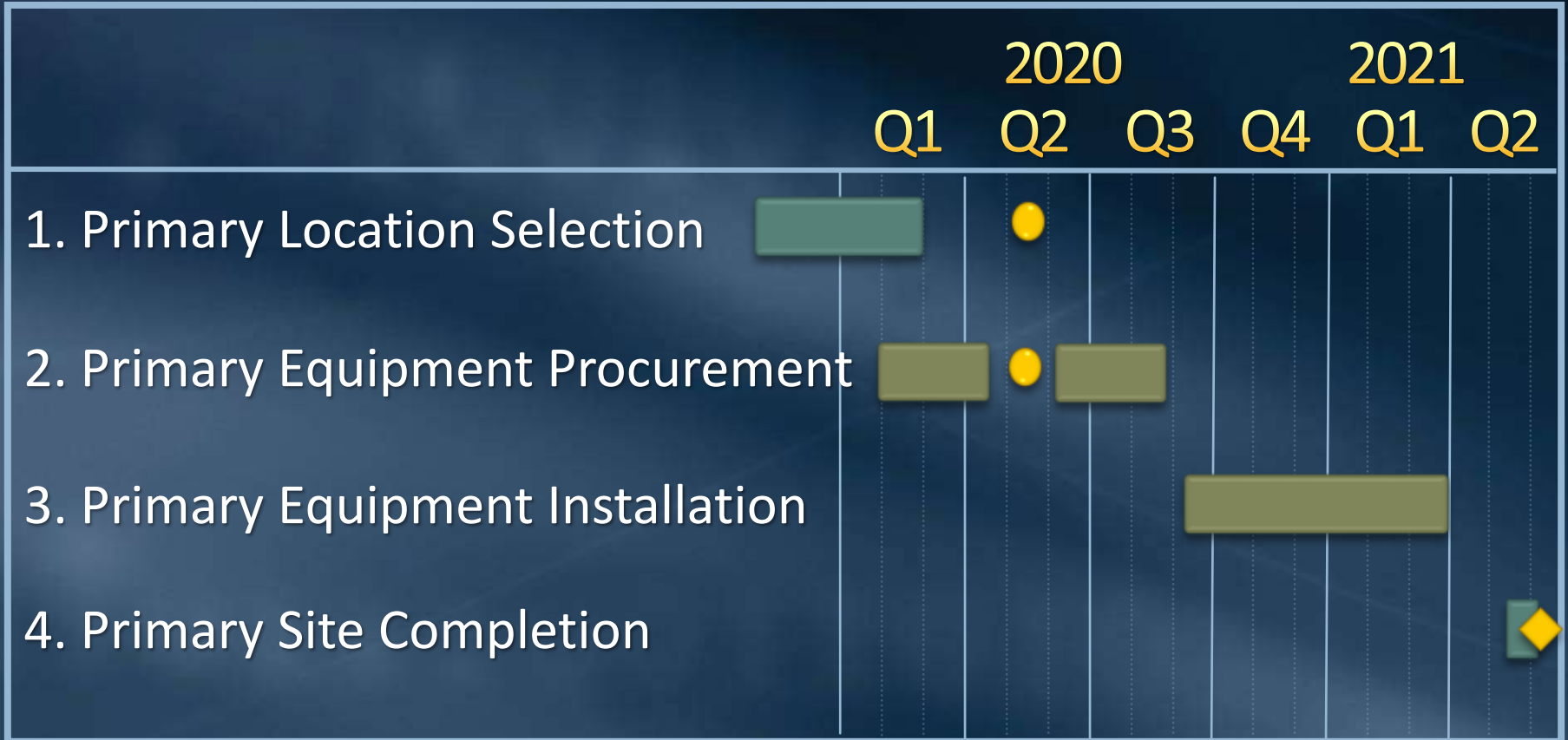
PROJECT COST BREAKDOWN

Description		Cost
Equipment Procurement		\$1,241,533
LAN Equipment	\$403,882	
WAN Equipment	\$647,982	
Server and Storage	\$129,955	
Physical Infrastructure	\$59,714	
Shipping & Estimated Tax		\$85,043
Contingency (10%)		\$132,658
Total Project Budget		\$1,459,234

BACKUP DATA CENTER TIMELINE



PRIMARY DATA CENTER TIMELINE



◆ **Completion**

● **Board Action**

BOARD OPTIONS

● Option #1

- Authorize an agreement with SHI International Corp. in an amount not-to-exceed \$1,459,234 for the equipment purchase for the backup location for the Datacenter Modernization project.

● Option #2

- Take no action at this time.

STAFF RECOMMENDATION

- Option # 1

