

## Exhibit E - Network, IoT, Smart Campus, Infrastructure Components

NOTE: The following is a list of infrastructure device categories in current use by ASU. This list may not be all-inclusive and will change as we work toward a Cloud Based infrastructure and a Sr Campus architecture. Please provide an outline of your team's approach to pricing of Hardware Component management services using the table structure below. Any Infrastructure Component not listed (Smart Campus, IoT, etc.) should be added as may be needed according to your team's proposal.

Current Network Elements	urrent Network Elements							
Description	Installation Costs	Monthly Management Costs	Refresh Costs	Supplier Description/Comments (100 words or less)				
Router - Carrier								
Router - Campus								
Router Departmental								
Firewall - Campus / Edge								
Firewall - Departmental								
Network Switch - Distribution								
Edge Switch - > 96 ports								
Edge Switch - > 48 ports								
Edge Switch - > 24 ports								
Edge Switch - < 24 ports								
Data Center ToR Switch > 8 gb Buffer Per/Port								
Data Center ToR Switch < 8 gb Buffer Per/Port								
Data Center Distribution Switch								
Wireless Controller - Campus								
Wireless Controller - Departmental								
Voice Gateway								
Media Gateway								
IP Voice / Phone								
Access Point - Outside								
Access Point - Classroom / High Density								
Access Point - Office								
Access Point - Dorms / Shared								
WiFi Beacon								
Microwave - Point-to-Point 1K / 1 gbs								
Microwave - Point-to-Point 1K / 10 gbs								
FSPO or Millmeter Wave Point-to-Point 1K / 1 gbs								
FSPO or Millmeter Wave Point-to-Point 1K / 10 gbs								

Smart
nt categories

## Supplier Notes:

1. All nonrecurring charges (NRCs) related to initial implementation turn-up and activation of service should be provided and priced on the Service Management Pricing tab.

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. Service rates for post implementation projects or related NRC should be priced on the Service Management Pricing tab. . Bidders should assume that all network assets will be separately covered under a maintenance agreement suitable to meet ASU's requirements. 13