



Photonic Transmission in a Regents Environment

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What are we talking about

- Optically provisioned network
 - Bandwidth from deep inside one network into another
 - No longer being held hostage by telco's
 - Circuits can be provisioned in a matter of minutes.

Possible Options

- Dark Fiber
- Lambda Service
- 10 Gig Ethernet
- OC-192 Framed Services

Dark Fiber

- Advantages
 - 40+ wave lengths at 10 Gig each
 - Freedom from Telecom Providers for provisioning
- Disadvantages
 - Hardware costs to light the fiber
 - Staff Resources for maintenance
 - Availability of Dark Fiber in the state

Lambda Services

- Advantages
 - 10 Gig bytes worth of bandwidth
 - Freedom from Telecom Providers for provisioning
 - Only have to deal with hardware at add/drop locations
- Disadvantages
 - Can't subdivide within DWDM wave length

10 Gig Ethernet

- Advantages
 - 10 Gig bytes worth of bandwidth
 - Freedom from Telecom Providers for provisioning
- Disadvantages
 - Can't subdivide without using Routing hardware for rate limiting

OC-192 Framed Services

- Advantages
 - 10 Gig bytes worth of bandwidth
 - Freedom from Telecom Providers for provisioning
 - Access to DCC headers for end to end provisioning.
 - Circuit sizes from 100Base-T to full OC-192
- Disadvantages
 - Live within the frames
 - Not as much band width as dark fiber

OC-192 Framed Services

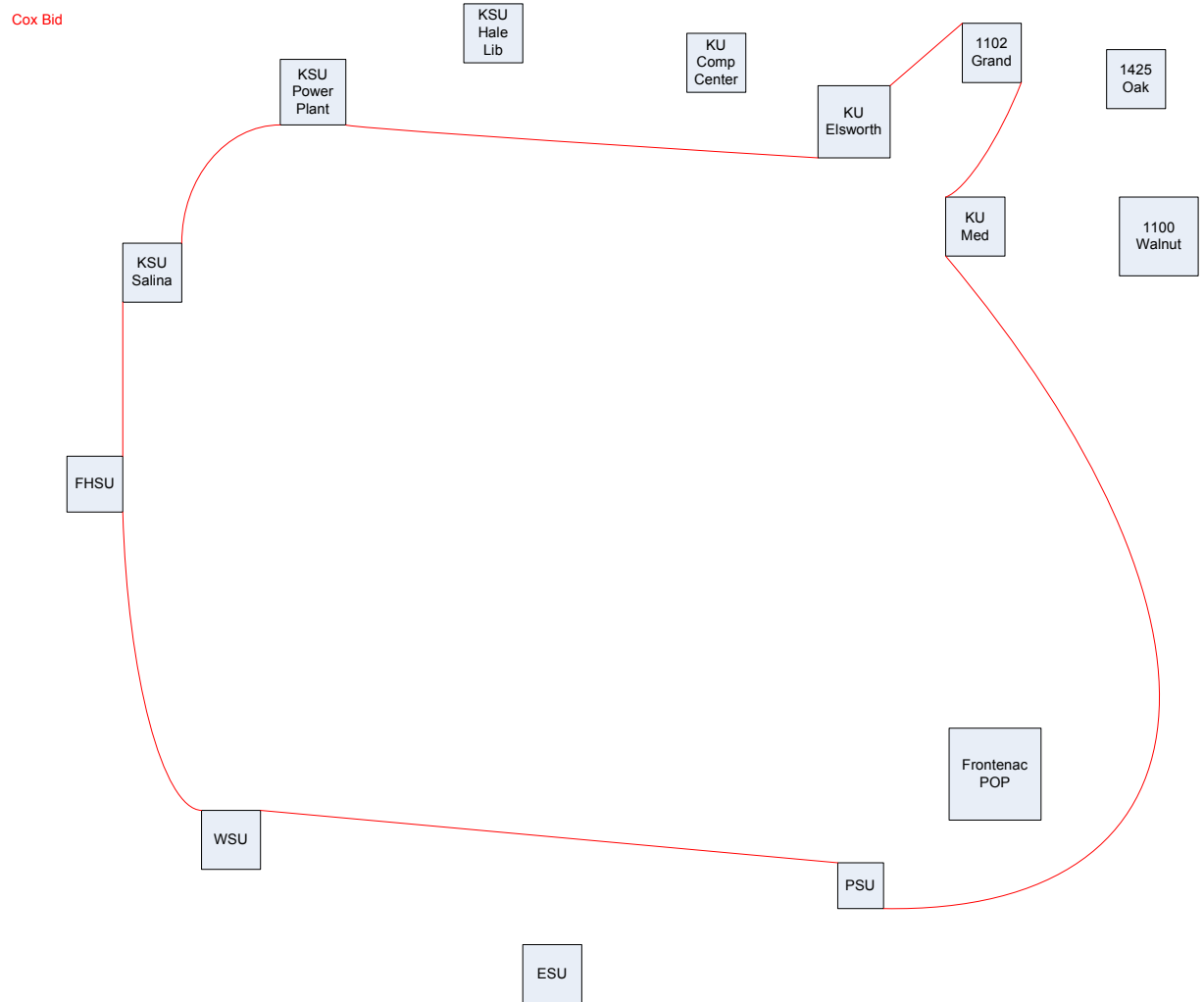
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What have we done

- RFP was sent out on 1-13-06
- RFP Closed on 3-1-06
- Who responded
 - COX
 - AT&T
 - Lightcore
 - AFS
 - Unite Fiber
 - Verison Business

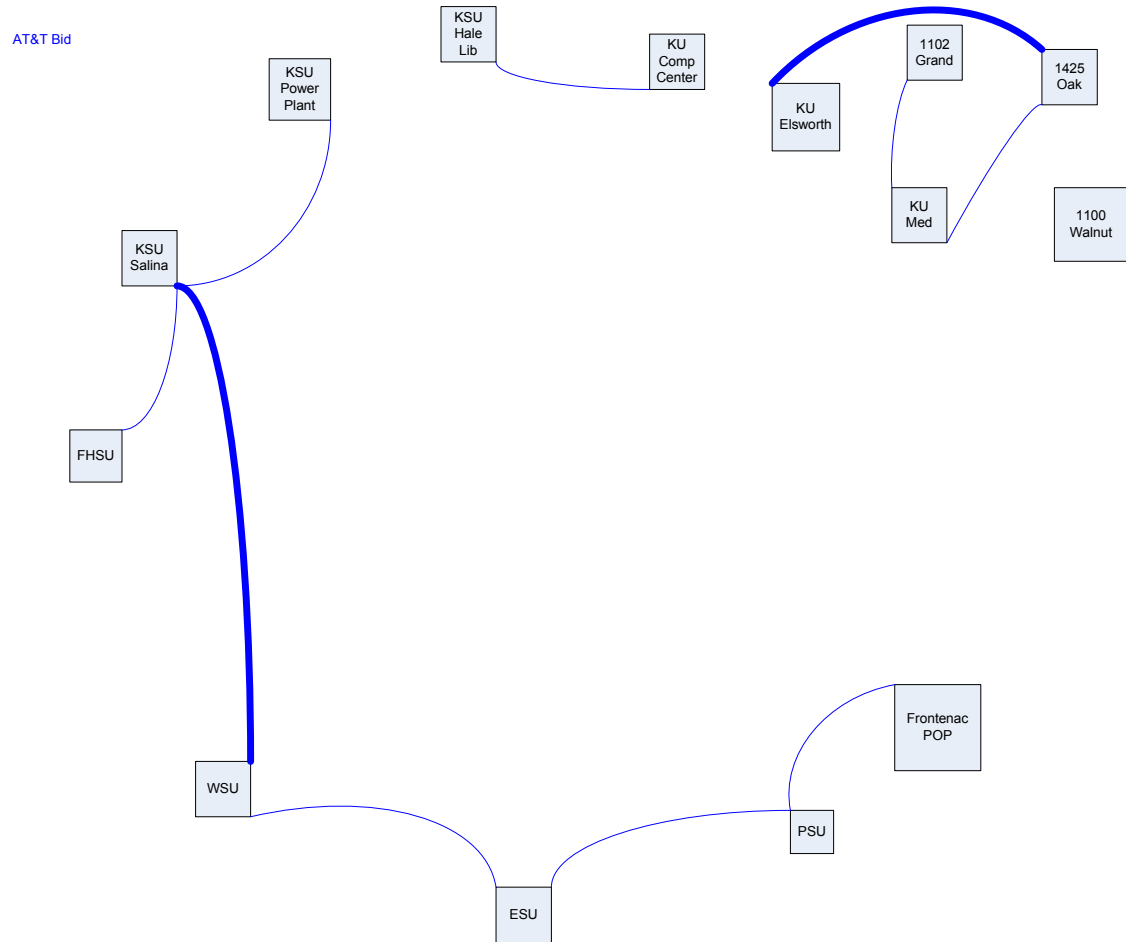
What was Bid

- Cox
 - OC-192 Framed
 - Lambda Services



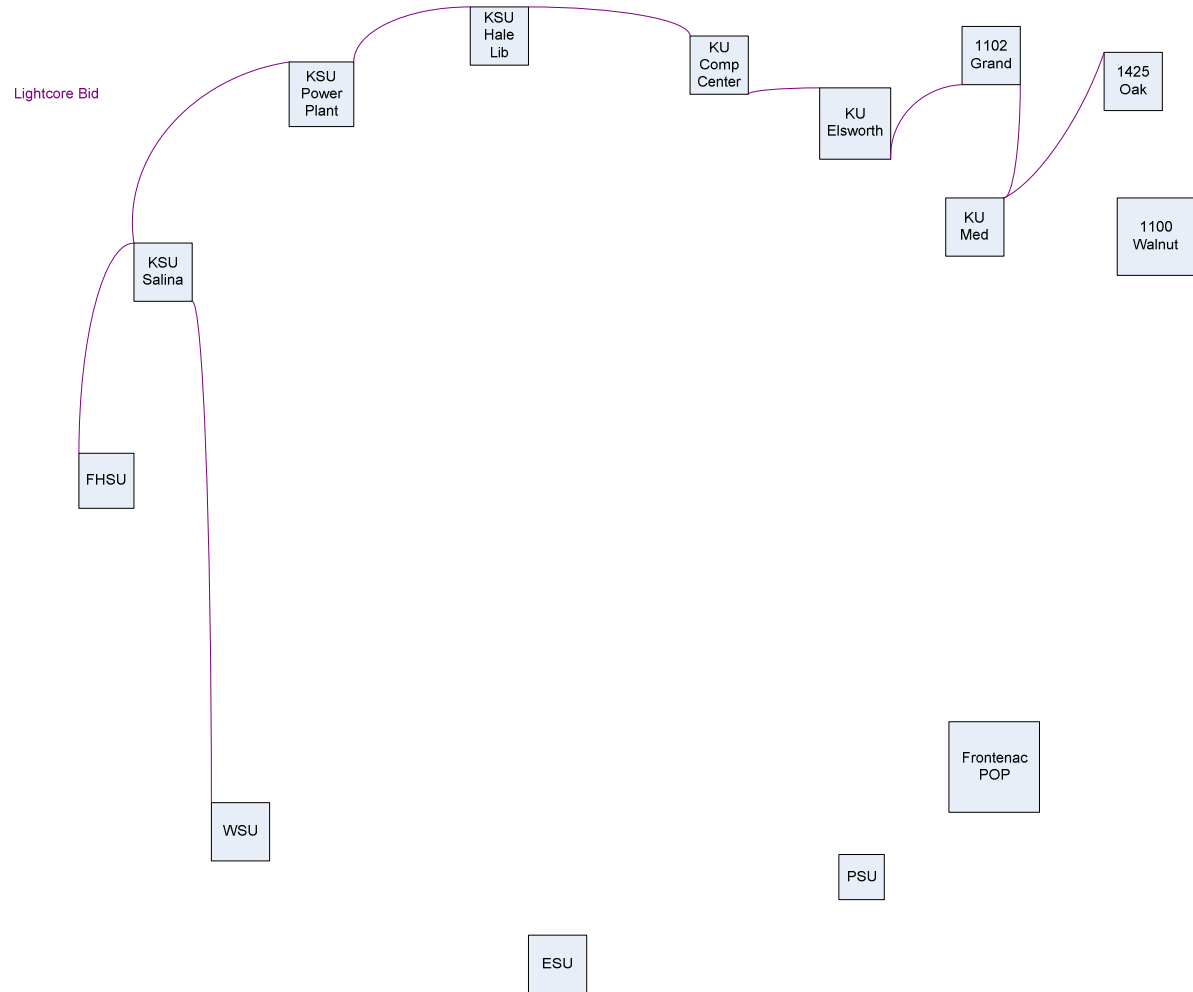
What was Bid

- AT&T
 - 10 Gig Ethernet
 - OC-192 Framed
 - 3 links true SONET



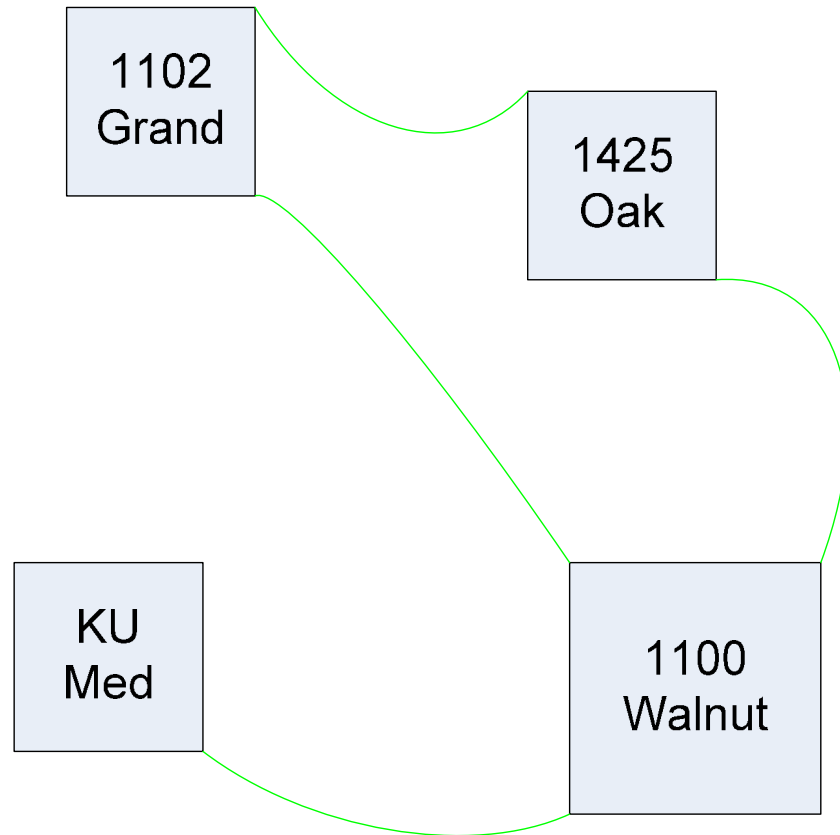
What was Bid

- Lightcore
 - Lambda Services

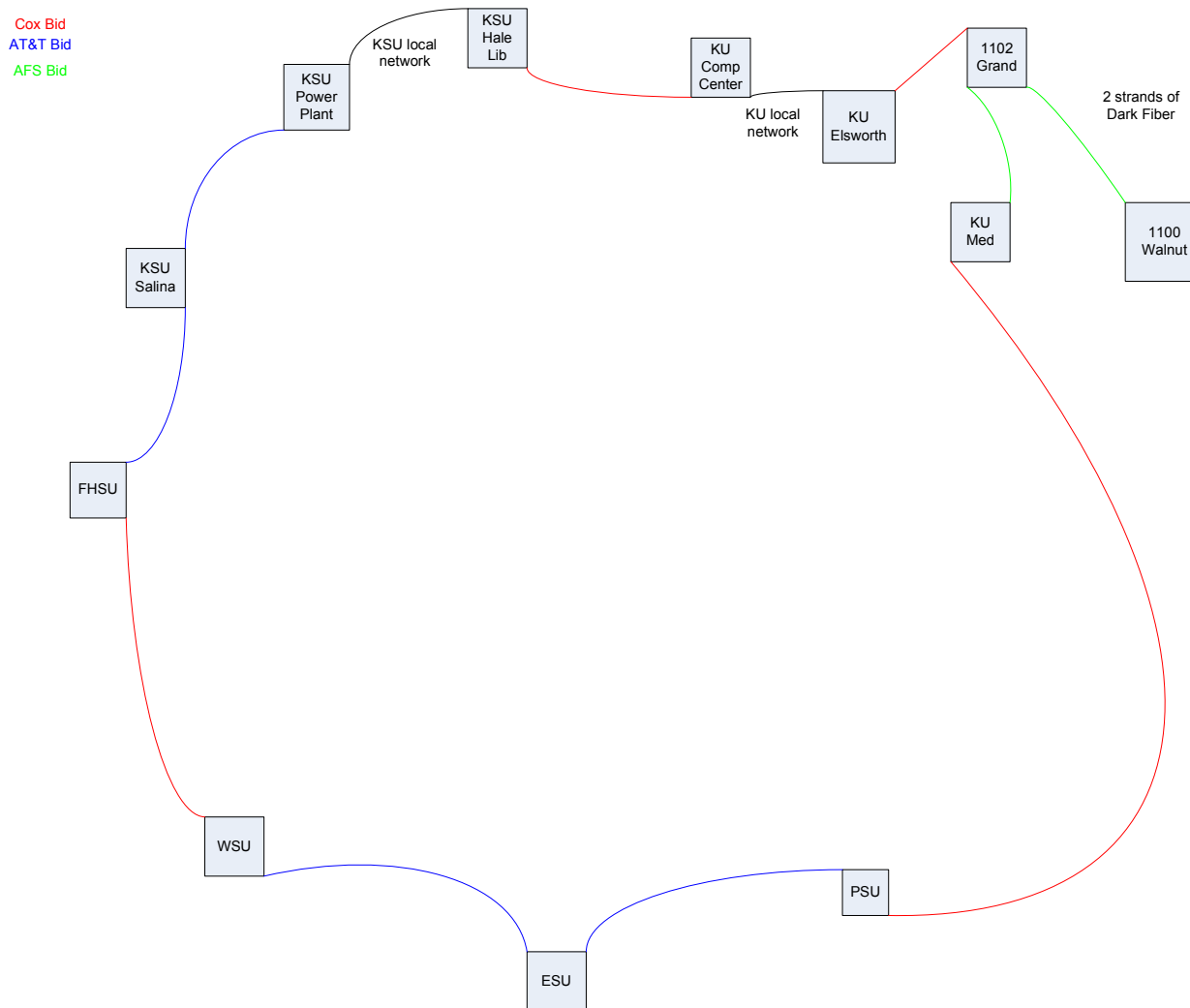


What was Bid

- AFS
 - Dark Fiber



So What are we going to do



Question and Answer