

REGIONAL BROADBAND INITIATIVE UPDATE

SBCCOG Board of Directors

November 15, 2018

SPRING, 2016 WAKE UP CALL

Business leaving Torrance cited poor quality, expensive network services as a reason for moving



PROCESS TO ADDRESS NETWORK DEFICIENCIES

Funding

- South Bay Workforce Investment Board
- Supervisor Mark Ridley Thomas

HIGHLIGHTS 2016 - 2017

2016

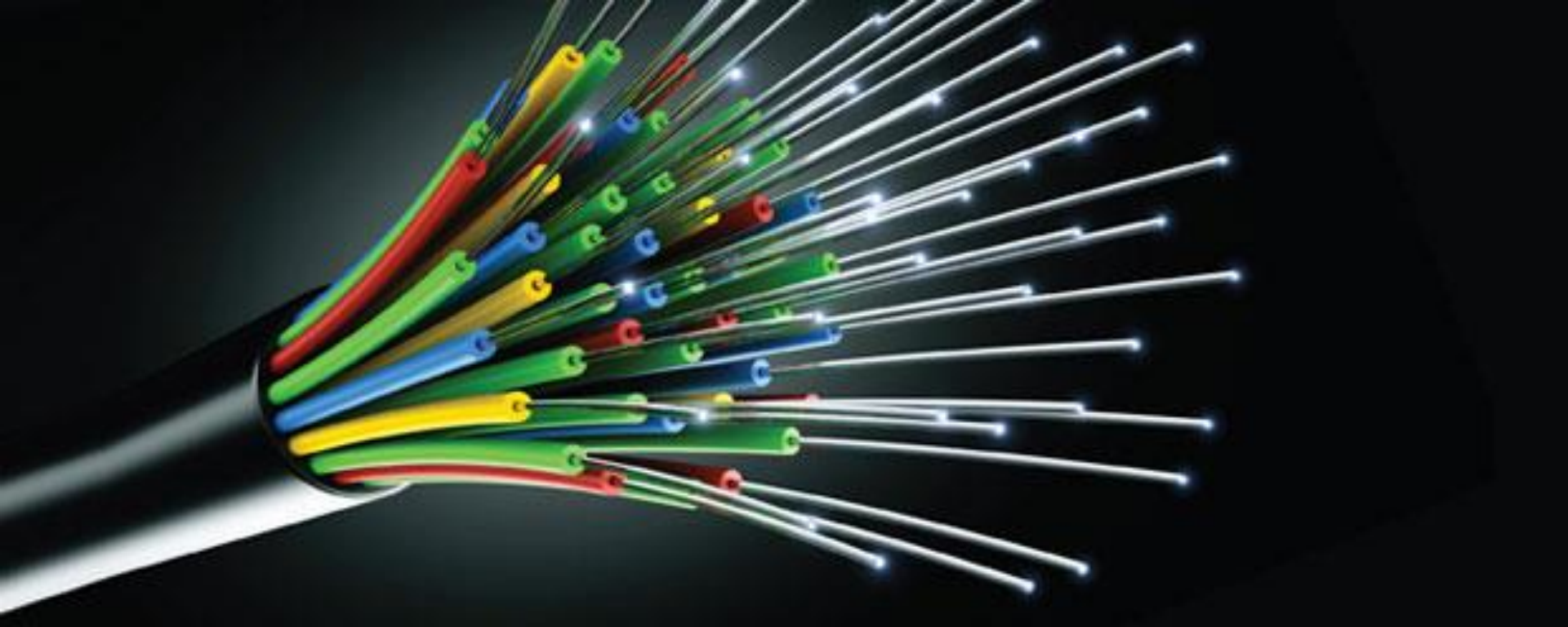
- Kickoff meeting with Info Tech & Public Works Directors
- Issue RFP for technical assistance, contract awarded to Magellan Advisors

2017

- Magellan Advisors completes Fiber Optic Master Plan

2018

April 26	IT Directors RFP Kickoff Meeting
June 13	Request for Proposals Issued
September 7	Proposals Received
Sept. 17 – Oct. 8	Evaluation Team Reviewed, Scored, Ranked Proposals
October 12	Clarifications, Revised Pricing Requested of Finalists
October 30	Interviews with 3 Proposers & Consensus on preferred vendor
November 1	IT Directors support preferred vendor to commence negotiations



FIBER OPTICS -- IN PLAIN ENGLISH

Fiber is future proof, a 100-year asset, and has unlimited capacity.

Policy tools to regulate the fiber market are no longer available, e.g., cities cannot require 100% build out.

Wireless is fiber dependent.

4G requires one antenna every 3 blocks

5G will require greater density of antennae on the order to 3 per block (9 to 1 ratio moving from 4G to 5G).

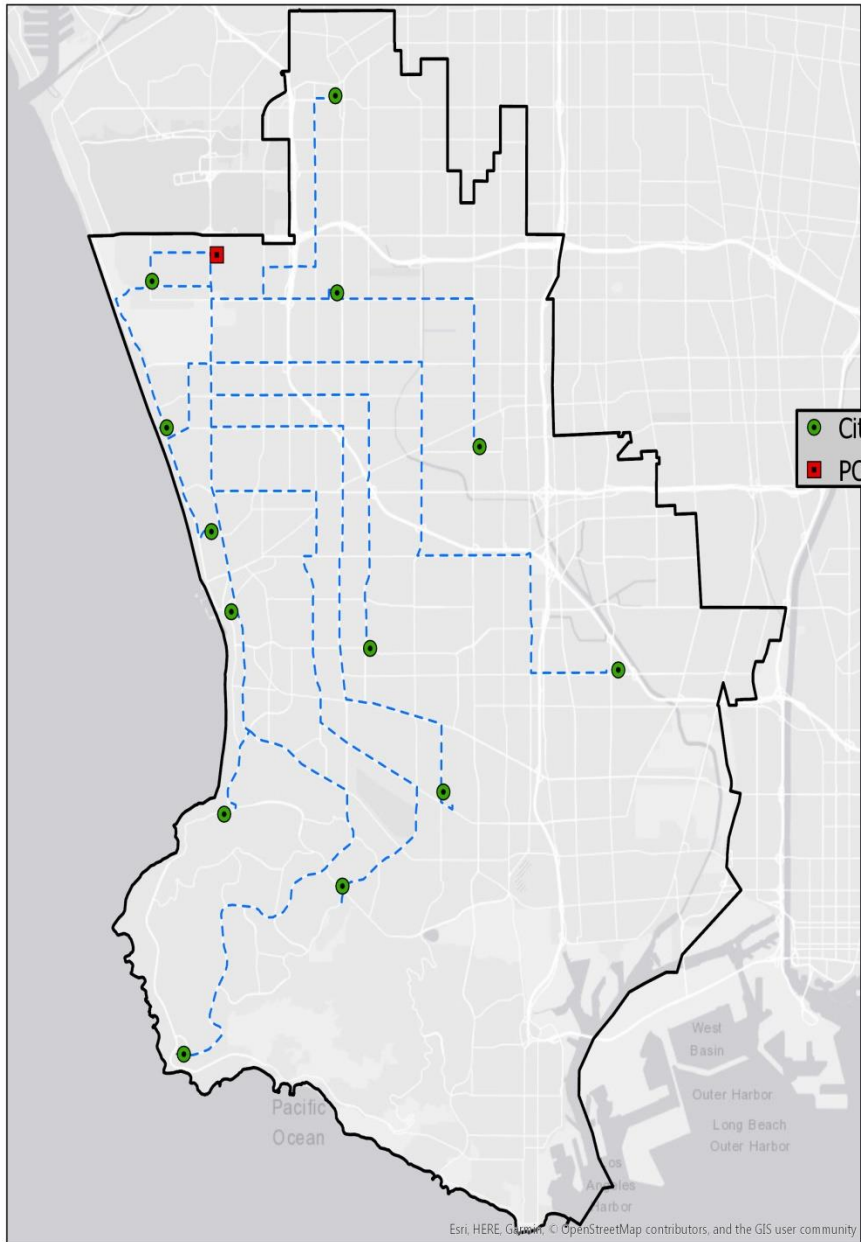
Fiber required to connect all the antennae back to a central switch.

ABOUT FIBER OPTICS

SITUATION

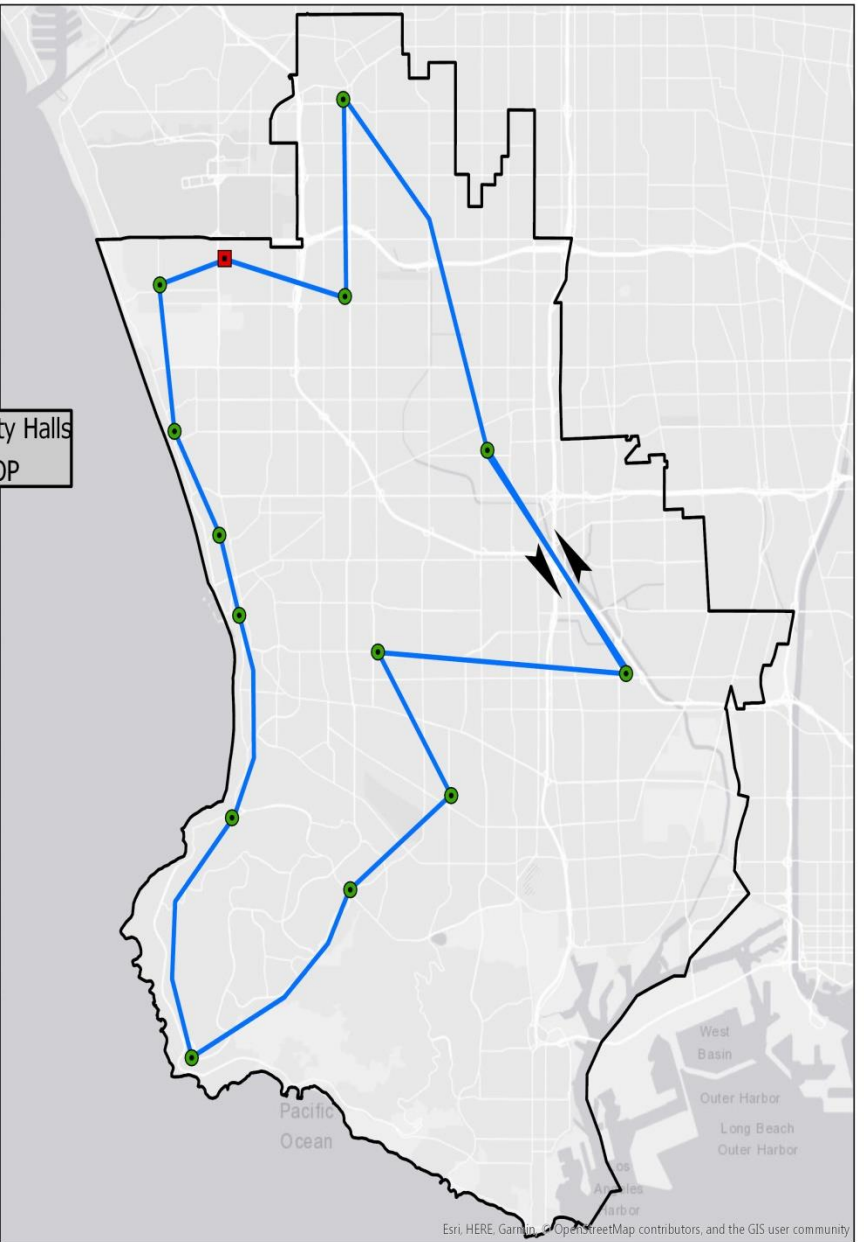
- Applications development and deployment vary greatly among the SB cities
- Many cities are purchasing less bandwidth than they actually need
- Cities are paying too much for what they are buying
- Demand will increase each year for the foreseeable future, making fiber optics an essential infrastructure component

Status Quo



- City Halls
- POP

Fiber Optic Ring



DOLLARS AND SENSE

- This current opportunity has been brought to this point through 2.5 years of a process funded by about \$200K provided by the SBWIB and Supervisor MRT. If it fails to progress now, the opportunity may be impossible to repeat.
- Measure M funds are being positioned to pay the capital costs that will form the ring and pay for connections to 55 buildings in SB cities.

Improves Internet
access

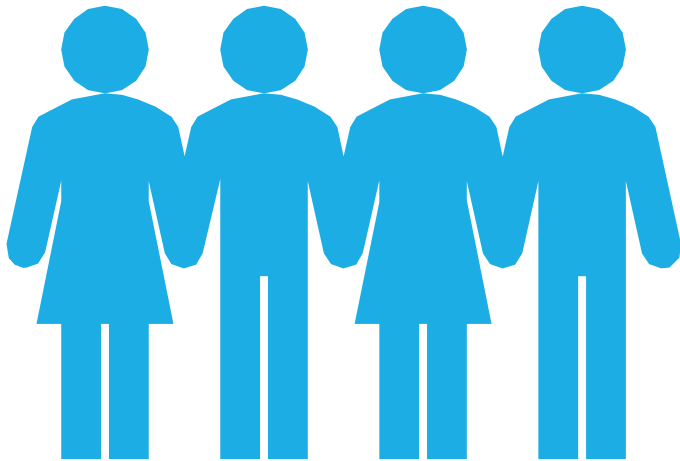
Supports cloud
computing

Enables sensor
deployment
which will
generate huge
quantities of real
time data to
improve decision-
making

Facilitates virtual
presence which
will reduce
congestion

USING ALL
THAT
BANDWIDTH

WHY COLLABORATE?



- City scale matters (LA, LB) among the largest cities
- Leadership matters (CC, SM) among smaller cities.
- The SBCCOG is the best way for small cities to act large and can provide the leadership for applications development and data analysis

NEXT STEPS

November 15	SBCCOG Board meeting – review process, approve intention to use Measure M subregional funding, begin negotiations with leading proposer
November – December	Negotiations with leading proposer
December – January	Preliminary review of contract by legal counsel and Magellan
January 14	Draft contract to cities
January 14 – February 15	Contract review by cities
February 19 – February 22	Final negotiations
March 15	Final opt in/opt out decision by cities
March 27	SBCCOG Board recommends award
April – June	Execute contract and cities ratify
July 1	Notice to Proceed