

CITY OF  
**HAYWARD**  
HEART OF THE BAY

# High Speed Hayward Fiber Optic Network

## City Council Work Session

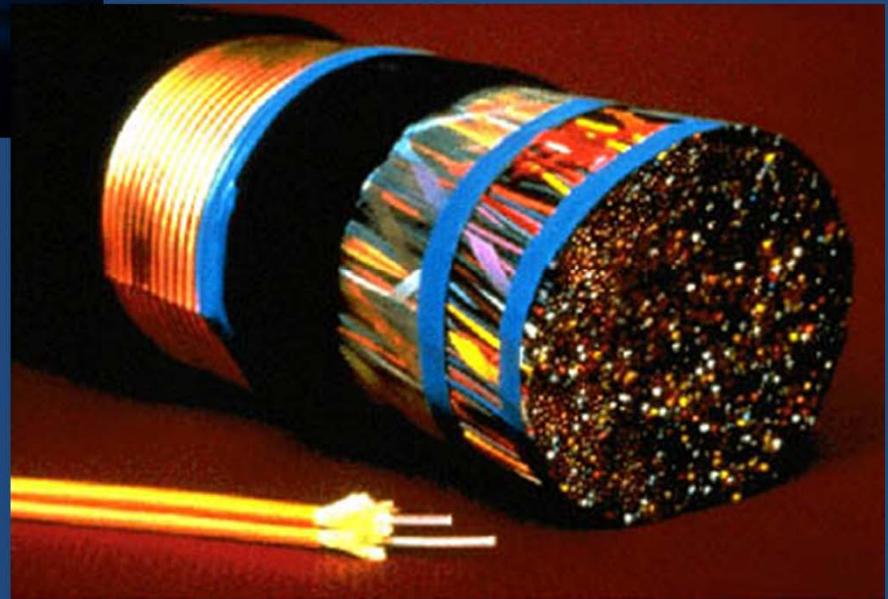
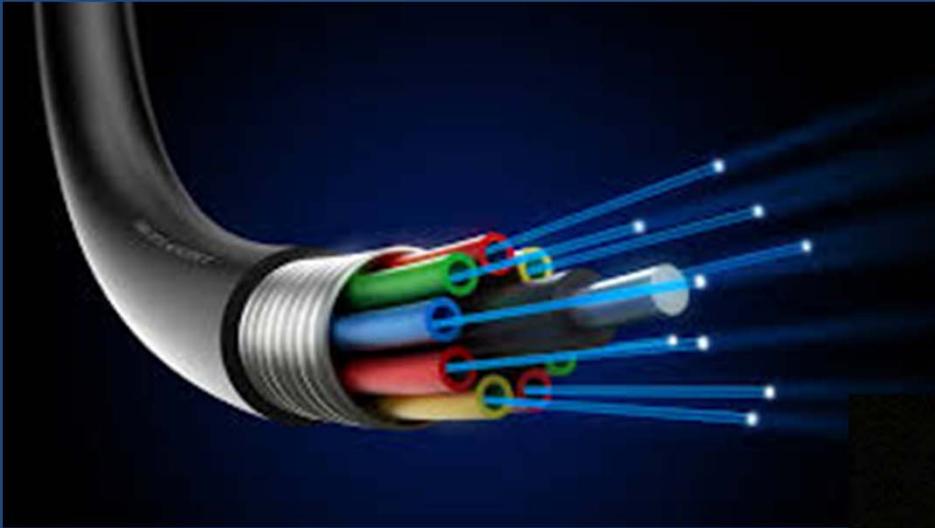
### July 30, 2013

Mark Guenther, Director  
Information Technology Department

# Hayward Project Overview

- Project Name: **High-Speed Hayward**
- Partner with Lit San Leandro (Developer)
- Utilize existing successful framework
- Increase Hayward's ability to keep and attract business

# What is fiber optic cable?



# Hayward Project Overview

- Utilize existing City of Hayward conduit to run Fiber Optic Cable (288 strands)
- Hayward receives 30 strands
  - Would carry several thousand times more data than current daily City Hall usage
- All construction, permits, fiber installation paid by Developer

# Project Benefits

- Bring high speed internet connections to Hayward businesses
- Make Hayward more attractive to businesses that need high speed internet connectivity

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- Developer's business customer experience

*"We were previously using 6 T1 lines bonded together and getting about 5 megabits up and down. It would take 8-9 hours to download 26 gigabits, now it's about 20 minutes."*

*– Atomic Productions*



# Lit San Leandro Background

- LLC formed in 2011 for East Bay Economic Development through Broadband Initiatives
- Built 11-mile fiber optic loop in San Leandro
- Focused on connecting businesses
- Current San Leandro customers include OSIssoft, Bayfair Center Mall, Westgate Mall, 30+ office complexes

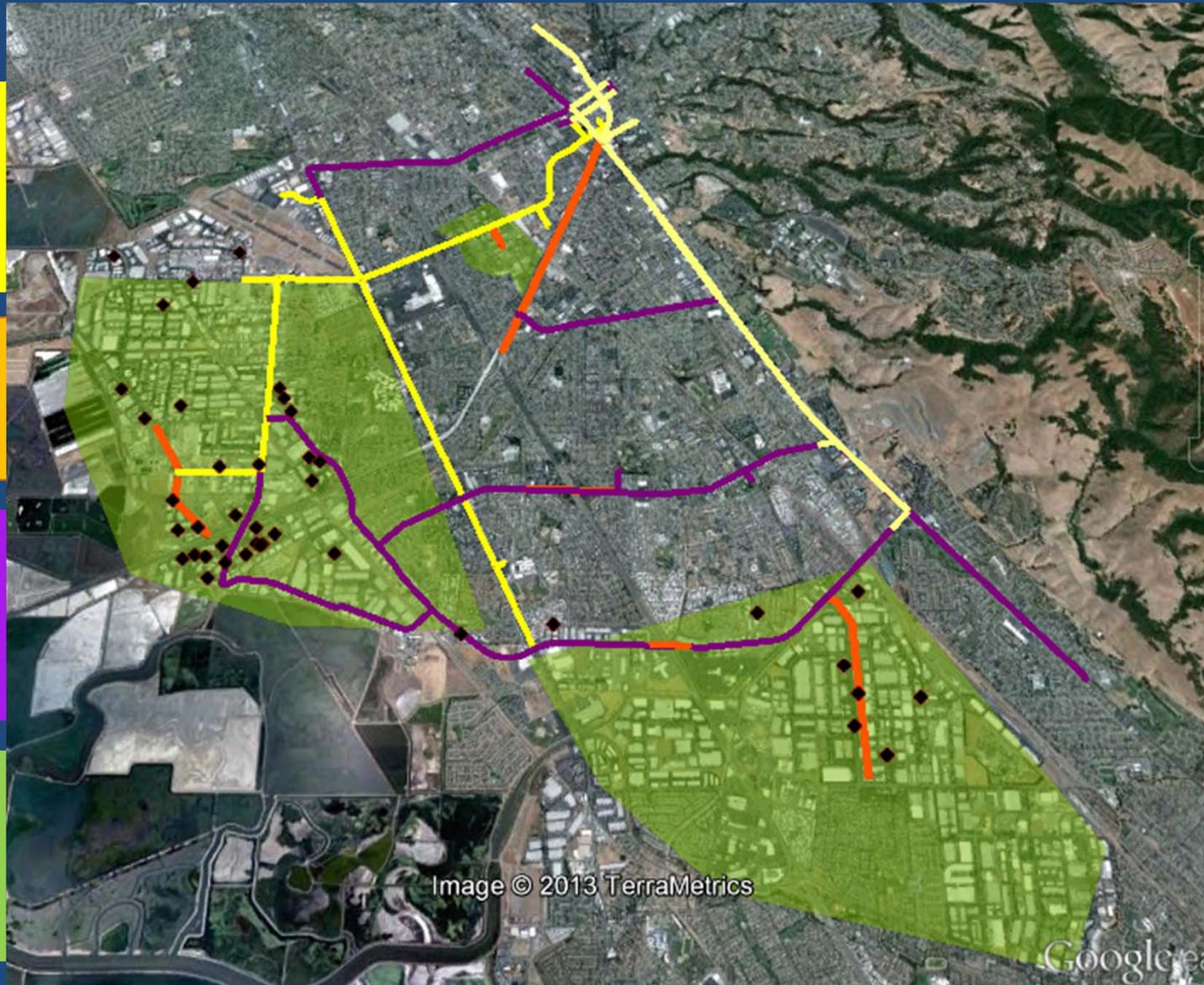
# Concept Map – Hayward Fiber Route

Existing  
Conduit with  
fiber  
Yellow

Future  
Conduit  
Orange

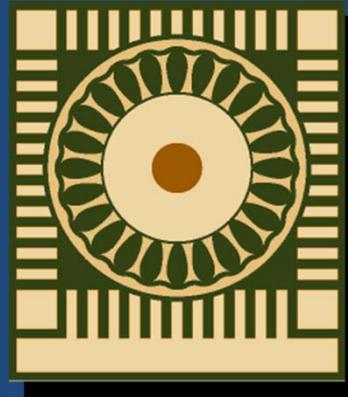
Existing  
Conduit No  
Fiber Yet  
Magenta

High Interest  
of Serving  
Areas  
Green shade



# Schedule

Deliverable	Timing
Council work session update	July 2013
Draft agreement presented to CTAC	September 2013
Council approval of final agreement	October/November 2013
Construction begins	January 2014
High-Speed Hayward ready for first subscriber use	Fall 2014



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