

# DATA REPORT PHASE TWO

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Sonalyt Solutions

# Overview

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- Fiber
- VPN Connectivity
- Wireless Connectivity
- Redundancy

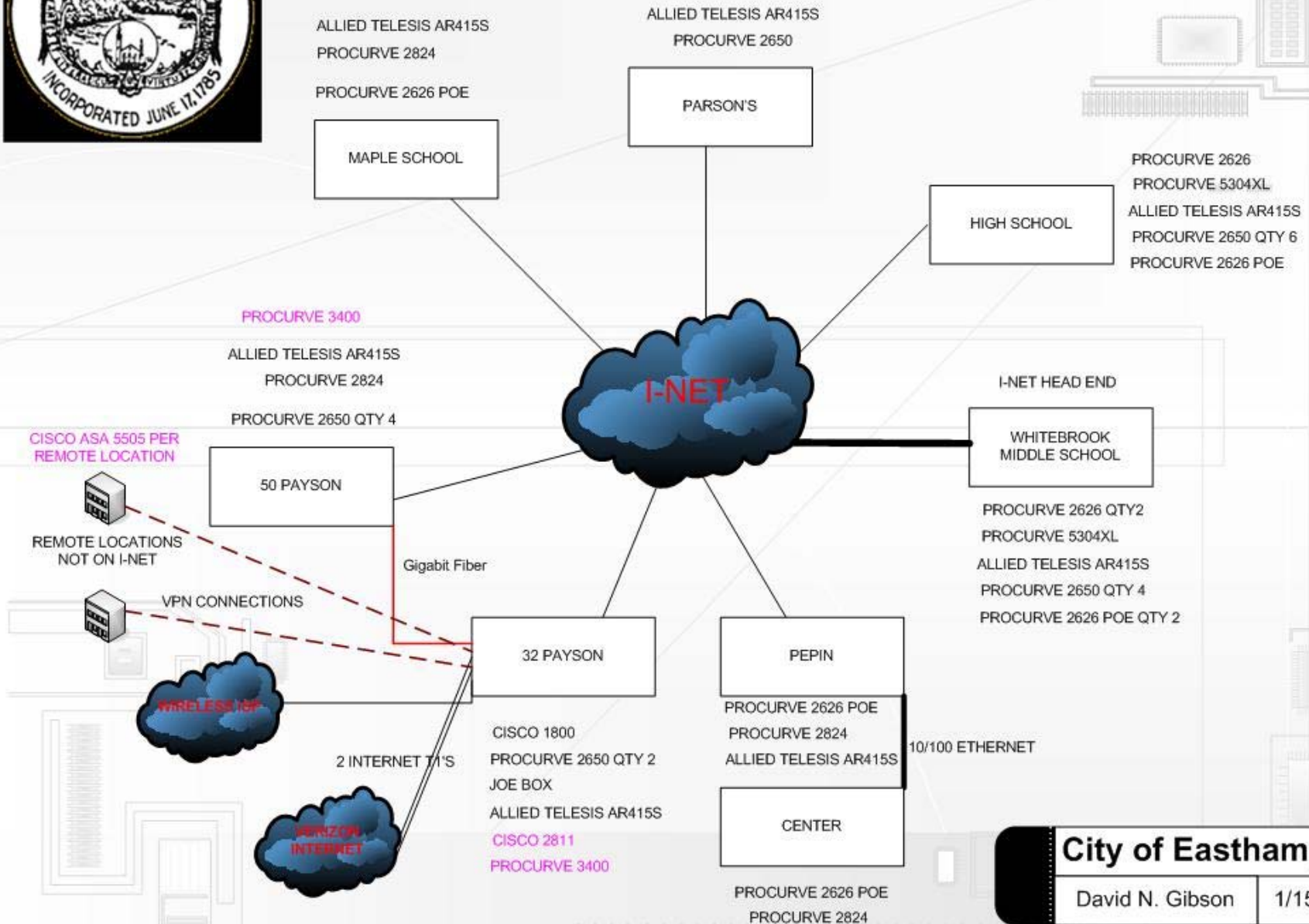
# Scenario One

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- Gigabit Fiber utilizing Fibretech
- I-Net
- VPN Connectivity for remote offices not on I-Net
- Internet



# SCENARIO ONE



City of Easthampton

David N. Gibson

1/15/2008

# Pros and Cons Scenario One

## PRO'S

- Fiber Provides Redundancy and high speed
- Remote offices now “share” email and can access City servers
- Wireless ISP provides speed and redundancy to Internet

## CON'S

- Single strand of fiber
- All Internet connections terminating in same building

# SCENARIO ONE HARDWARE AND COST

## Hardware

## COST

\$20,530.00

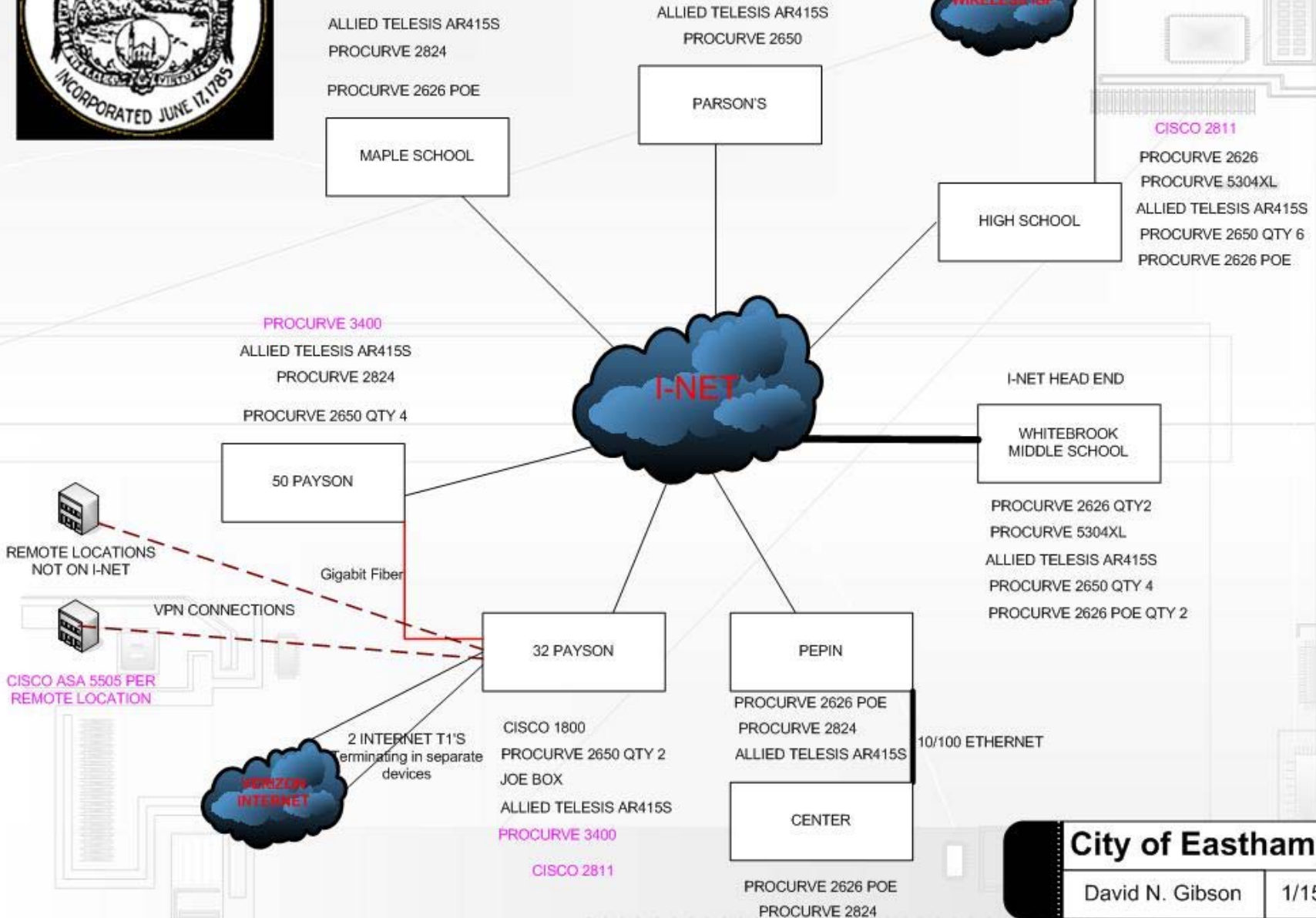
- HP ProCurve 3400 switch (QTY2)
- HP ProCurve LX Gigabit modules (QTY 2)
- Cisco 2811 Router (QTY1)
- ASA 5505 VPN device(s)

# SCENARIO TWO

- Gigabit Fiber
- VPN Connectivity for remote locations
- Wireless ISP in High School
- Redundant Routers



# SCENARIO TWO



**City of Easthampton**

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1/15/2008

# Pros and Cons Scenario TWO

## PRO'S

- Fiber Provides Redundancy and high speed
- Remote offices now “share” email and can access City servers
- Wireless ISP provides speed and redundancy to Internet
- High School is termination point for Wireless ISP

## CON'S

- Single strand of fiber
- Cost compared to Scenario One

# SCENARIO TWO HARDWARE AND COST

## Hardware

## COST

- HP ProCurve 3400 switch (QTY2)
- HP ProCurve LX Gigabit modules (QTY 2)
- Cisco 2811 Router (QTY2)
- ASA 5505 VPN device(s)

\$23,130.00

# SCENARIO THREE

- Gigabit Wireless Connectivity
- VPN Connectivity for remote locations
- Wireless ISP in High School
- Redundant Routers



# SCENARIO THREE

ALLIED TELESIS AR415S  
PROCURVE 2824  
PROCURVE 2626 POE

MAPLE SCHOOL

ALLIED TELESIS AR415S  
PROCURVE 2650

PARSON'S



HIGH SCHOOL

CISCO 2811  
PROCURVE 2626  
PROCURVE 5304XL  
ALLIED TELESIS AR415S  
PROCURVE 2650 QTY 6  
PROCURVE 2626 POE



I-NET HEAD END

WHITEBROOK MIDDLE SCHOOL

PROCURVE 2626 QTY2  
PROCURVE 5304XL  
ALLIED TELESIS AR415S  
PROCURVE 2650 QTY 4  
PROCURVE 2626 POE QTY 2

PROCURVE 3400  
ALLIED TELESIS AR415S  
PROCURVE 2824  
PROCURVE 2650 QTY 4

50 PAYSON

Gigabit Wireless Connection

32 PAYSON

PEPIN

PROCURVE 2626 POE  
PROCURVE 2824  
ALLIED TELESIS AR415S

10/100 ETHERNET

CENTER

PROCURVE 2626 POE  
PROCURVE 2824

REMOTE LOCATIONS NOT ON I-NET

VPN CONNECTIONS

CISCO ASA 5505 PER REMOTE LOCATION



2 INTERNET T1'S terminating in separate devices

CISCO 1800  
PROCURVE 2650 QTY 2  
JOE BOX  
ALLIED TELESIS AR415S  
PROCURVE 3400  
CISCO 2811

City of Easthampton

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1/15/2008

# Pros and Cons Scenario Three

## PRO'S

- Gigabit Wireless provides connectivity
- Remote offices now “share” email and can access City servers
- Wireless ISP provides speed and redundancy to Internet
- High School is termination point for Wireless ISP

## CON'S

- Cost compared to other scenarios

# SCENARIO THREE HARDWARE AND COST

## Hardware

## COST

\$41,130.00

- HP ProCurve 3400 switch (QTY2)
- Gigabit Wireless devices (QTY 2)
- Cisco 2811 Router (QTY2)
- ASA 5505 VPN device(s)

# PHASE THREE

- Phase III which is comprised of the following
- Write RFP for proposed solution
- Issuance of RFP to selected vendors on the Massachusetts State Contract
- Review of vendors/proposals
- Selection of vendor for proposed solution