BTOP Comprehensive Community Infrastructure
Service Offerings and Competitor Data Template

Please complete the complete the following worksheets--either of the Last Mile or I
Service Offerings worksheets may be omitted if the applicant is not proposing to pro
that type.

For both the Last Mile and Middle Mile Service Offerings worksheets, the service of
include all relevant tiers and markets (*e.g.* residential, business, wholesale). Applica
sure to include details on any services that would be offered at discounted rates to
classes of customers (*e.g.* community anchor institutions or third party service prov

In the Last Mile Service Offerings worksheet, applicants are required to provide esti
end user speeds. Average speeds should be the average sustained actual, non-burs
end user would receive during a peak hour. For purposes of calculating these spee
should utilize their subscriber projections for year eight of the project, and develop
utilization projections that are consistent with any additional services the applicant
For wireless broadband services, this speed should be an average of the speeds ava
entire cell. Beyond these general guidelines, due to the multiplicity of technical sol
be proposed, the applicants may use discretion to determine the most reasonable r
to estimate actual speeds on their network. Applicants should explain the underlyir
used to calculate the average speeds in the space provided.

In the Competitor Data worksheet, applicants are required to provide data on both
middle mile service providers, regardless of whether the applicant proposes to offe
and middle mile services. In the column titled Service Areas Where Service Offered
should list all of the Last Mile and Middle Mile Service Areas within their Proposed I
area in which the listed services area available. Please ensure that the Service Area
consistent with those provided within the application and the Service Areas upload.
availability of the listed services is limited (*e.g.* the service is only available within pɛ
Mile or Middle Mile Service Area), note this in the Other Comments column.

In contrast to several other upload templates in this application, the data provided
will NOT be subject to automated processing. These template worksheets are prov
demonstrate the level of data required and to provide a suggested format. Applicaɪ
modify the template layouts in order to provide the most effective presentation of ɪ
their specific project. Applicants should, however, ensure that they provide at least
as these templates require. To the extent that you modify these templates please ɛ
print layouts are adjusted so that rows do no break across pages in a manner that w
understand. A PDF of this file will be automatically generated upon upload to Easyɕ
print settings will be used to format the PDF file.

Middle Mile
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the data for
t as much detail
ensure that the
will be difficult to
grants, and the

Proposed Last Mile Service Offerings

Name of Service Tier	Advertised Speeds		Estimated Average Speeds		Average Latency	Pricing Plan ($ per month)	Other Comments/Description/Features or Limitations
	Downstream Mbps	Upstream Mbps	Downstream Mbps	Upstream Mbps	@ End User CPE miliseconds		

Explanation of Average Speed Calculations:

Proposed Middle Mile Service Offerings

Name of Service Offering	Distance Band or Point to Point	Minimum Peak Load Network Bandwidth Capacity (Mbps)	Monthly/Yearly Pricing ($)	Other Comments/Description/Features or Limitations
Gig E	Point to Point	1G	████████	
10 Gig E	Point to Point	10G	████████	

Competitor Data

Competitor Data - Last Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Downstream Speed	Monthly Pricing	Other Comments/Description/Features or Limitations
Verizon	Rhode Island	Residential FIOS Internet	Entry Level Plan	15Mbps/5Mbps	$54.99	
			Mid-Tier Plan	25Mbps/25Mbps	$69.99	
			Highest Speed Plan	50Mbps/20Mbps	$144.99	
Cox	Rhode Island	Residential Cable Modem Internet	Entry Level Plan (Essesntial)	3Mbps/768Kbps	$30.99	
			Mid-Tier Plan (Preferred)	12Mbps/2Mpbs	$43.99	
			Mid-Tier Plan (Premier)	20Mbps/3Mbps	$53.99	
			Highest Speed Plan (Ultimate)	50Mbps/5Mbps	$99.99	

Competitor Data - Middle Mile Service Providers

Service Provider	Service Areas Where Service Available	Technology Platform	Service Tiers	Distance Band or Point-to-Point	Minimum Peak Load Network Bandwidth Capacity	Pricing	Other Comments/Description/Features or Limitations
Verizon	Rhode Island	TLS	Entry Level Plan	Point to Point	10M	$1,600.00	
			Mid-Tier Plan	Point to Point	100M	$3,000.00	
			Highest Speed Plan	Point to Point	1G	$5,000.00	
Cox	Rhode Island	Metro E	Entry Level Plan	Point to Point	10M	$1,500.00	
			Mid-Tier Plan	Point to Point	100M	$2,750.00	
			Highest Speed Plan	Point to Point	1G	$5,104.00	

Upload 2 – Network Diagram

The following pages contain three diagrams in order to satisfy the requirements of the application. They include:
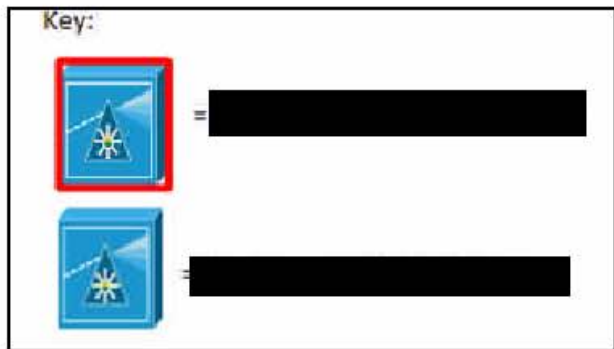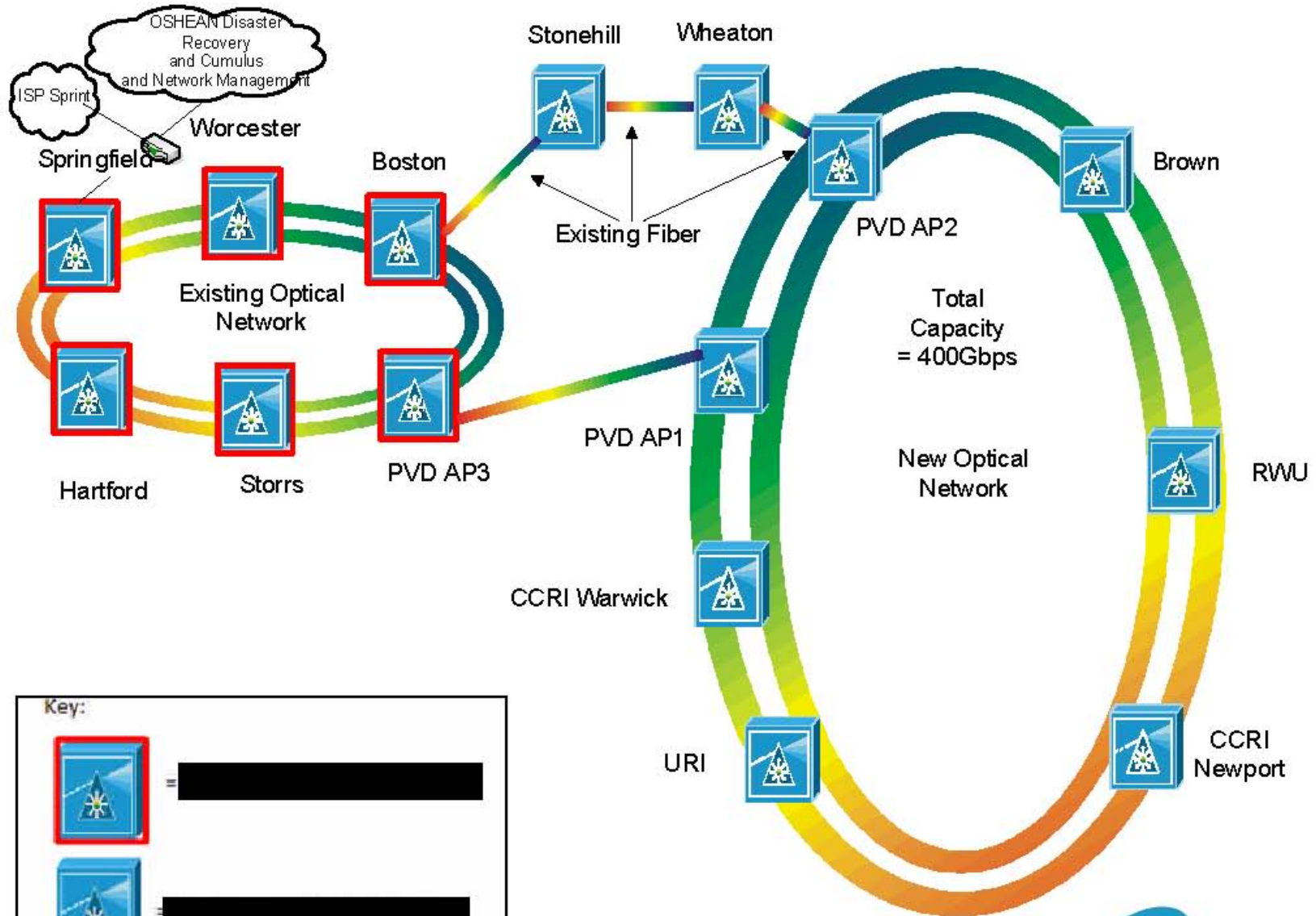
Page 2 – Beacon 2.0 Optical Transport

Page 3 – Beacon 2.0 Rhode Island Service Area – Level 2/3 Routing and Switching

Page 4 – Beacon 2.0 South Coast, Massachusetts Service Area – Level 2/3 Routing and Switching
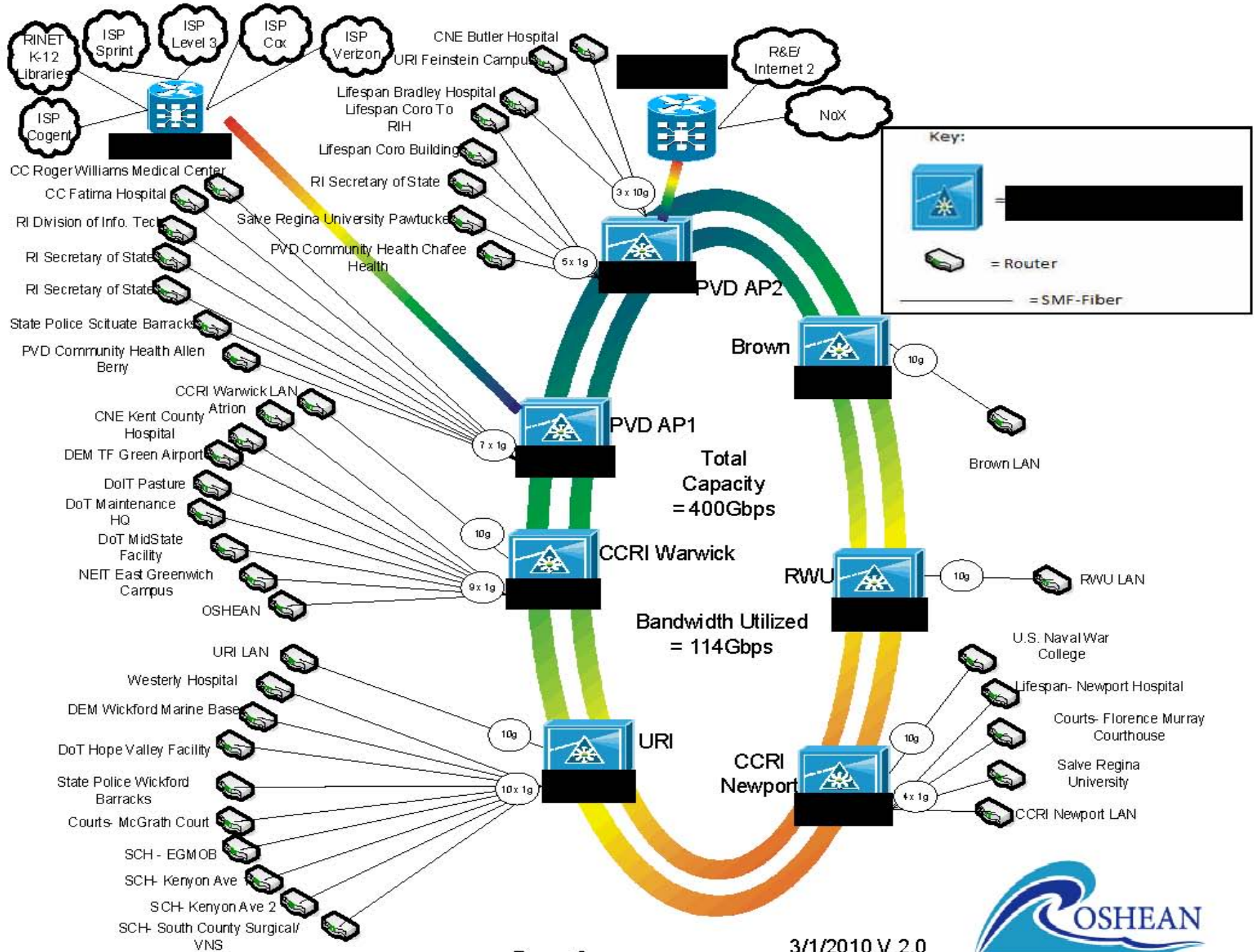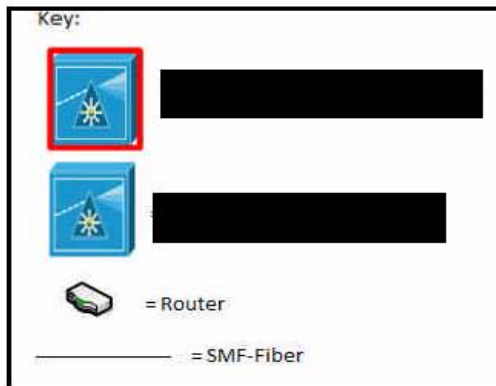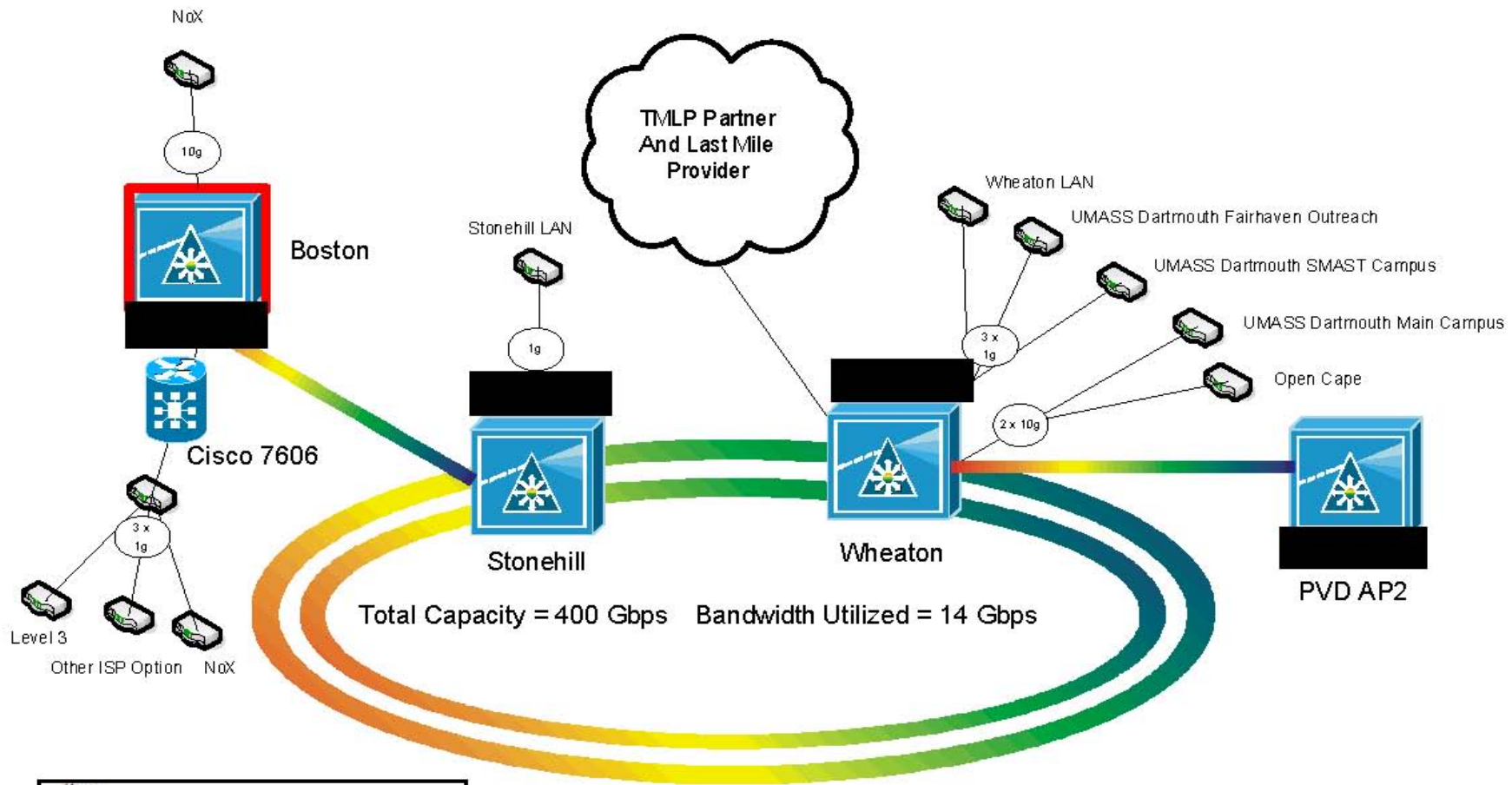
Beacon 2.0 Optical Transport

Beacon 2.0 Rhode Island Service Area – Level 2/3 Routing and Switching

NoX

10g

Boston

Cisco 7606

3 x 1g

Level 3

Other ISP Option   NoX

TMLP Partner And Last Mile Provider

Stonehill LAN

1g

Stonehill

Wheaton LAN

UMASS Dartmouth Fairhaven Outreach

UMASS Dartmouth SMAST Campus

UMASS Dartmouth Main Campus

3 x 1g

Open Cape

2 x 10g

Wheaton

PVD AP2

Total Capacity = 400 Gbps   Bandwidth Utilized = 14 Gbps

Key:

= Router

= SMF-Fiber

OSHEAN

Upload 3 – Project Plan and Build-out Timeline

This section includes the Beacon 2.0 project plan and build-out timeline using the templates provided in the application. We have also identified risks as well as mitigation strategies. At the end of the section, we have included the Gantt chart from the project management tool (Microsoft Project) used to create the actual integrated master schedule (IMS).

Project Plan

The following table is based on the Beacon 2.0 IMS. With the collaboration of the entire OSHEAN team, the IMS was developed by an experienced and PMP certified senior project manager who will continue to manage the project through to its completion. The IMS was developed based on project management best practices and provides for the identification, management, and execution of the entire Beacon 2.0 Project.

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
Year 0	-	1. Preliminary Site surveys of anchor institutions complete 2. Fiber route selection and final physical infrastructure design complete 3. Optical Network layer design complete 4. Commitment letters from anchor institution tenants received 5. Letters of Intent signed by private business partners 6. Preparation of IRU for fiber agreements	1. - 6. All Year 0 milestones are complete
Year 1	Qtr. 1	1. Finalize private business partner contracts and execute IRUs 2. Complete construction prints of backbone 3. Complete construction prints of laterals to include inside and outside plant 4. Request easements to buildings 5. Create bill of materials and order materials for physical fiber plant 6. Determine subcontractor needs and hire subcontractors to be used 7. File for necessary licenses and permits including all major bridge crossing applications and pole attachments so that	1. Letter of intent with private business partners already in place with agreed IRU for existing fiber and new fiber build *(Year 0, Milestones 5 and 6)* 2. - 6. Construction prints and BOM dependent upon physical infrastructure design scheduled to be completed *(Year 0, Milestone 2)* 7. Licenses and permits can be filed because route selection will have been completed *(Year 0, Milestone 2)* 8. Locations will have been identified and optical design will have been completed *(Year 0, Milestone 3)* 9. A significant portion of the fiber backbone can be delivered quickly, as we

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
		"make ready" work can begin 8. Confirm DWDM node locations and equipment needs 9. Delivery of On-Net fiber (81 miles) – Approximately 20% of total route miles – this includes Providence and Warwick	can utilize existing On-Net fiber assets *(Year1, Quarter 1, Milestone 1)*
	Qtr. 2	1. Complete portions of "make ready" work 2. Receive initial order of materials for physical fiber plant 3. Receipt of easements 4. Fiber lateral construction can begin 5. Physical fiber plant backbone construction can begin	1. Licenses and permits will have been filed and receipt of initial licenses will have begun *(Year 1,Quarter 1, Milestone 7)* 2. Materials will have been ordered *(Year 1, Quarter 1,Milestone 5)* 3. - 4. Receipt of easements will have been requested *(Year 1, Quarter 1, Milestone 4)* 5. Construction of fiber plant backbone will stagger with "make ready" work and is dependent upon initial delivery of materials which will have been received *(Year 1, Quarter 2,Milestone 2)* and pole attachment rights will have been received *(Year 1, Quarter 2, Milestone 1)*
	Qtr. 3	1. Provision HVAC and power for DWDM equipment for node locations 2. Receive necessary licenses and permits for portions of fiber backbone and complete "make-ready" work 3. Receive remainder of materials for physical fiber plant	1. Node locations will have been identified *(Year 1, Quarter 1, Milestone 8)* 2. Permits and licenses will have been filed *(Year 1, Quarter 1, Milestone 7)* and "make ready" work will have started *(Year 1, Quarter 2, Milestone 1)* 3. Materials which will have been ordered *(Year 1, Quarter 1,Milestone 5)*
	Qtr. 4	1. Construction and testing of fiber plant backbone - 30% of total route miles complete 2. Order network routers and Fiber Optic DWDM equipment	1. Physical plant fiber backbone construction will have begun *(Year 1, Quarter 2, Milestone 5)* 2. Optical design will have been completed *(Year 0, Milestone 3)*
Year 2	Qtr. 1	1. Construction of fiber laterals continues 2. Construction and testing of fiber plant backbone 45% of total route miles	1. Construction of fiber laterals will have begun *(Year 1, Quarter 2, Milestone 4)* 2. Physical plant fiber backbone

Time Period	Quarter	Milestones	Support for Reasonableness/Data Points
		complete	construction will have begun *(Year 1, Quarter 2, Milestone 5)*
	Qtr. 2	1. Construction of fiber laterals complete 2. Construction and testing of fiber plant backbone - 60% of total route miles complete 3. Begin installation of Fiber Optic DWDM and routers	1. Construction of fiber laterals will have begun *(Year 1, Quarter 2, Milestone 4)* 2. Physical plant fiber backbone construction will have begun *(Year 1, Quarter 2, Milestone 5)* 3. Fiber Optic DWDM equipment and routers will have been ordered *(Year 1, Quarter 4, Milestone 2)*
	Qtr. 3	1. Construction and testing of fiber plant backbone - 75% complete 2. Installation and testing of Fiber Optic DWDM equipment and routers 100% complete	1. Physical plant fiber backbone construction will have begun *(Year 1, Quarter 2, Milestone 5)* 2. Installation of Fiber Optic DWDM equipment and routers will have started *(Year 2, Quarter 2 Milestone 3)*
	Qtr. 4	1. Construction and testing of fiber plant backbone - 90% of total route miles complete 2. Enable fiber optic DWDM nodes and routers on the majority of the backbone	1. Physical plant fiber backbone construction will have begun *(Year 1, Quarter 2, Milestone 5)* 2. Enabling fiber optic DWDM nodes and routers is dependent upon all equipment being installed which will have been completed *(Year 2, Quarter 3, Milestone 2)*
Year 3	Qtr. 1	1. Construction and testing of fiber plant backbone – 100% complete	1. Physical plant fiber backbone construction will have begun *(Year 1, Quarter 2, Milestone 5)*
	Qtr. 2	1. Enable remaining fiber optic DWDM spans over backbone	1. Enable fiber optic DWDM nodes and routers will have begun *(YR2, Q4, Milestone 2)* and construction of backbone complete *(Year 3, Quarter 1, Milestone 1)*
	Qtr. 3	1. Documentation and records management finalized 2. Beacon 2.0 Project Complete	1. Documentation and records management dependent upon construction and testing complete *(Year 3, Quarter 1, Milestone 1 and Year 3, Quarter 2, Milestone 1)* 2. Documentation and records management finalized *(Year 3, Quarter 3, Milestone 1)*
	Qtr. 4		

Key Risk Areas and Mitigation Plans

OSHEAN is confident that the Beacon 2.0 Project can be completed successfully within the planned timeframe. Based on OSHEAN's successful track record, the experience and financial commitment of our partners, and our project manager's expertise, we will manage the project's critical path intensively and have mitigation plans in place to deal with potential risk areas. Important Beacon 2.0 planning work has already been accomplished. An important way to judge how "shovel-ready" a project is to implement is by examining what important planning work has been done to date, as opposed to how much planning is left for after the grant is awarded. OSHEAN has been preparing for this project for over one year. Moreover, we have been working for several years with our public institutional membership to articulate the various individual needs for what we are now calling Beacon 2.0. We have foreseen and are managing the following risk areas:

Risk: Permits and licenses take longer than anticipated
Mitigation Plan: Apply for permits and licenses as soon as the project has been approved for funding. OSHEAN is working with a private partner who already has permits and licenses on some portions of the fiber network path.

Risk: Make ready work is more extensive than originally planned
Mitigation Plan: Talks have already begun with engineering firms that specialize in this process to utilize their expertise to expedite the process.

Risk: Weather interferes with completing make ready work in a timely fashion
Mitigation Plan: Ensure a project plan schedules all tasks that require outside work to be completed during normally conducive seasons.

Build-out Timeline

Service Area	Total For All Service Areas												
	YEAR 0	YEAR 1				YEAR 2				YEAR 3			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
Infrastructure Funds													
Infrastructure Funds Advanced (estimate) ($M)	0.0612	2.0000	2.0000	0.2500	4.6377	2.3188	4.1816	2.8552	2.3188	1.5459	0.0000	0.0000	0.0000
Percentage of Total Funds	0.3%	9.0%	9.0%	1.1%	20.9%	10.5%	18.9%	12.9%	10.5%	7.0%	0.0%	0.0%	0.0%
Entities Passed & %													
Households (K)	0.0	0.0	0.0	0.0	30.9	69.8	69.8	69.8	69.8	38.9	0.0	0.0	0.0
Percentage of Total Households	0.0%	0.0%	0.0%	0.0%	8.9%	20.0%	20.0%	20.0%	20.0%	11.1%	0.0%	0.0%	0.0%
Businesses	0.0	0.0	0.0	0.0	707.0	1620.0	1620.0	1620.0	1620.0	913.0	0.0	0.0	0.0
Percentage of Total Businesses	0.0%	0.0%	0.0%	0.0%	8.7%	20.0%	20.0%	20.0%	20.0%	11.3%	0.0%	0.0%	0.0%
Community Anchor Institutions	0.0	0.0	0.0	0.0	44.8	99.6	99.6	99.6	99.6	54.8	0.0	0.0	0.0
Percentage of Total Institutions	0.0%	0.0%	0.0%	0.0%	9.0%	20.0%	20.0%	20.0%	20.0%	11.0%	0.0%	0.0%	0.0%

Service Area	Rhode Island												
	YEAR 0	YEAR 1				YEAR 2				YEAR 3			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
Infrastructure Funds													
Infrastructure Funds Advanced (estimate) ($M)	0.0538	2.0000	2.0000	0.2200	4.0810	2.0405	3.6797	2.5125	2.0405	1.3603	0.0000	0.0000	0.0000
Percentage of Total Funds	0.2%	9.0%	9.0%	1.0%	18.4%	9.2%	16.6%	11.3%	9.2%	6.1%	0.0%	0.0%	0.0%
Entities Passed & %													
Households (K)					30.9	61.9	61.9	61.9	61.9	30.9			
Percentage of Total Households	0.0%	0.0%	0.0%	0.0%	8.9%	17.7%	17.7%	17.7%	17.7%	8.9%	0.0%	0.0%	0.0%
Businesses					707.0	1414.0	1414.0	1414.0	1414.0	707.0			
Percentage of Total Businesses	0.0%	0.0%	0.0%	0.0%	8.7%	17.5%	17.5%	17.5%	17.5%	8.7%	0.0%	0.0%	0.0%
Community Anchor Institutions					44.8	89.6	89.6	89.6	89.6	44.8			
Percentage of Total Institutions	0.0%	0.0%	0.0%	0.0%	9.0%	18.0%	18.0%	18.0%	18.0%	9.0%	0.0%	0.0%	0.0%

Service Area	South Coast, Massachusetts												
	YEAR 0	**YEAR 1**				**YEAR 2**				**YEAR 3**			
		Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4
Infrastructure Funds													
Infrastructure Funds Advanced (estimate) ($M)	0.0074	0.0000	0.0000	0.0300	0.5567	0.2783	0.5019	0.3427	0.2783	0.1856	0.0000	0.0000	0.0000
Percentage of Total Funds	0.0%	0.0%	0.0%	0.1%	2.5%	1.3%	2.3%	1.5%	1.3%	0.8%	0.0%	0.0%	0.0%
Entities Passed & %													
Households (K)						8.0	8.0	8.0	8.0	8.0			
Percentage of Total Households	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	2.3%	2.3%	2.3%	2.3%	0.0%	0.0%	0.0%
Businesses						206.0	206.0	206.0	206.0	206.0			
Percentage of Total Businesses	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	2.5%	2.5%	2.5%	2.5%	0.0%	0.0%	0.0%
Community Anchor Institutions						10.0	10.0	10.0	10.0	10.0			
Percentage of Total Institutions	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	2.0%	2.0%	2.0%	2.0%	0.0%	0.0%	0.0%

Integrated Master Schedule (IMS)

ID		Task Name	Duration	2008 H1	H2	2009 H1	H2	2010 H1	H2	2011 H1	H2	2012 H1	H2	2013 H1	H2	2014 H1	H2	2015 H1	H2	2016 H1	H2
1		**Beacon 2.0 Project**	**1145 days**																		
2		**Pre-Project Planning**	**414 days**																		
3		**Site Surveys**	**87 days**																		
4		Hire consultant	5 days																		
5		Determine scope of work	10 days																		
6		Determine fiber route selection	10 days																		
7		Conduct site surveys	40 days																		
8		Meet with consultant to review results of site surveys	1 day																		
9		Complete site surveys	10 days																		
10		Backbone determined	1 day																		
11		Conduct lateral surveys	10 days																		
12		Determine cost estimates for laterals	10 days																		
13		Final physical infrastructure design complete	0 days																		
14		**Business Partners Determination**	**88 days**																		
15		Determine RFI Requirements	20 days																		
16		Develop RFI	20 days																		
17		Release RFI for business partners	1 day																		
18		RFI Responses due to OSHEAN	1 day																		
19		Meet with vendors	20 days																		
20		Preparation of IRU for fiber agreement	20 days																		
21		Business partners selected	1 day																		
22		Letter of Intent signed by all parties	0 days																		
23		**Optical Network Design**	**61 days**																		
24		Determine uses of network/user requirements	20 days																		
25		Develop preliminary design	20 days																		
26		Product review	15 days																		
27		Product selection	6 days																		
28		Optical Network layer design complete	0 days																		
29		**Proposal/Grant Response**	**178 days**																		
30		Solicit commitment letters/letters of support	25 days																		
31		NTIA release rules of the grant	1 day																		

8

ID	O	Task Name	Duration	2008		2009		2010		2011		2012		2013		2014		2015		2016	
				H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
31		NTIA release rules of the grant	1 day																		
32		Develop OSHEAN's response	21 days																		
33		Submit grant/proposal response to NTIA	1 day																		
34		NTIA Grant Awards	67 days																		
35		All BTOP Grants Awarded	0 days																		
36		**Project Implementation**	**731 days**																		
37		**Business Partners**	**70 days**																		
38		Solidify contract with business partners	70 days																		
39		Execution of IRUs	70 days																		
40		Contract signed with business partners	0 days																		
41		**Licensing**	**130 days**																		
42		File licenses and permits	40 days																		
43		Complete all necessary make ready work	90 days																		
44		Receive all licenses and permits	0 days																		
45		Request easments to buildings	65 days																		
46		Easements to buildings received	0 days																		
47		**Construction**	**535 days**																		
48		Construction prints of backbone	50 days																		
49		Construction prints of backbone complete	0 days																		
50		Construction prints of laterals (includes inside and outside)	50 days																		
51		Construction prints of laterals (includes inside and outside) complete	0 days																		
52		Create BOM for physical fiber plant	3 days																		
53		Order materials	2 days																		
54		Material Lead Time	20 days																		
55		Receive initial materials order	0 days																		
56		Receive remainder of materials for physical fiber plant	0 days																		
57		Determine sub-contractor requirements	3 days																		
58		Solicist sub-contractor bids	2 days																		
59		Review sub-contractor bids	3 days																		
60		Hire sub-contractor	0 days																		
61		Delivery of On-Net miles	30 days																		

9

ID		Task Name	Duration
61		Delivery of On-Net miles	30 days
62		Begin construction and testing of fiber laterals	270 days
63		Construction and testing of fiber laterals Complete	0 days
64		Construction and testing of physical fiber plant	460 days
65		Construction and testing of physical fiber plant complete	0 days
66		Construction and testing of physical infrastructure complete	0 days
67		**Deployment of Optical Nodes and Routers**	**590 days**
68		Confirm DWDM node locations and equipment needs	60 days
69		Order fiber optic DWDM equipment and routers	5 days
70		Equipment Lead Time	130 days
71		Receive DWDM equipment and routers	0 days
72		Provision HVAC and power for DWDM equipment for node locations	65 days
73		Installation of Fiber Optic DWDM equipment	125 days
74		Installation of Fiber Optic DWDM equipment complete	0 days
75		Enable fiber optic DWDM nodes, routers and switches on majority of the backbone	65 days
76		Enable remaining fiber optic DWDM spans over backbone	70 days
77		Enable fiber optic DWDM spans over backbone complete	0 days
78		**Documentation**	**600 days**
79		Documentation and records management	600 days
80		Documentation and records management complete	0 days
81		Beacon 2.0 Project complete	0 days
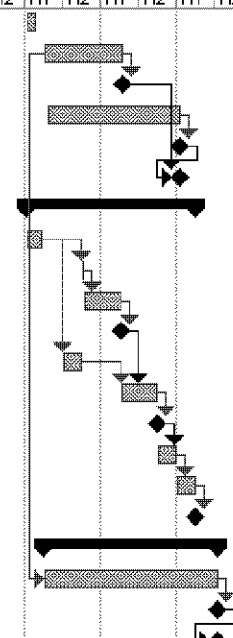
Facility Name

Brown University
Butler Hospital - Current
Kent County Hospital - Current
Community College of Rhode Island - Newport Campus - Current
Community College of Rhode Island - Warwick Campus - Current
Roger Williams Medical Center - Current
Fatima Hospital - Current
Providence Knowledge District Ring to City Hall - Current
Save the Bay Organization - Current
Botanical Center - Roger Williams Park - Current
Providence Pier - Current
Providence Public Works - Current
RI Dept. of Environmental Management, TF Green Airport - Current
RI Dept. of Information Technology, Pastore Complex - Current
RI Dept. of Information Technology, Capitol Hill - Current
RI Dept. of Transportaion, Hope Valley - Current
RI Dept. of Transportation, Maintenance Headquarters - Current
RI State Police, Scituate Barracks - Current
RI State Police, Wickford Barracks - Current
Newport Hospital - Current
Coro Building - Current
Coro To Rhode Island Hospital - Current
Bradley Hospital - Current
Narragansett Indian Tribe
NEIT 1 - Current
NEIT 2 - Current
Office - Current
OSHEAN AP1 - Current
OSHEAN AP2 - Current
OSHEAN AP3 - Current
Allen Berry Health Center - Current
Chaffee Health Center - Current
Florence Murray Courthouse - Current
McGrath Courthouse - Current
RINET
Roger Williams University (two sites)- Current
Salve Regina University - Newport Campus - Current
Salve Regina University - Pawtucket Campus - Current
South County Hospital - EGMOB - Current
South County Hospital SCH Kenyon - Current
South County Hospital - Current
South County Surgical/VNS - Current
UMASS Dartmouth- Main Campus - Current

UMASS Dartmouth- SMAST Campus - Current
UMASS Dartmouth- Fairhaven Outreach - Current
URI - Feinstein Campus - Current
URI - Alton Jones Campus - Current
United States Naval War College - Current
Westerly Hospital - Current

Title:	**Beacon 2.0**	
Easy Grants ID:	**4422**	

Organization	Address Line 1	City
Brown University		Providence
Care New England		Providence
Care New England		Warwick
Community College of Rhode Island		Newport
Community College of Rhode Island		Warwick
CharterCARE		Providence
CharterCARE		North Providence
City of Providence		Providence
City of Providence		Providence
City of Providence		Providence
City of Providence		Providence
City of Providence		Providence
State of Rhode Island Division of Information Techn		Warwick
State of Rhode Island Division of Information Techn		Cranston
State of Rhode Island Division of Information Techn		Providence
State of Rhode Island Division of Information Techn		Hope Valley
State of Rhode Island Division of Information Techn		Warwick
State of Rhode Island Division of Information Techn		North Scituate
State of Rhode Island Division of Information Techn		North Kingstown
Lifespan		Newport
Lifespan		Providence
Lifespan		Providence
Lifespan		East Providence
Narragansett Indian Tribe		Charlestown
New England Institute of Technology		East Greenwich
New England Institute of Technology		Warwick
OSHEAN		North Kingstown
OSHEAN		Providence
OSHEAN		Providence
OSHEAN		Providence
Providence Community Health Centers		Providence
Providence Community Health Centers		Providence
Rhode Island Administrative Office of State Courts		Newport
Rhode Island Administrative Office of State Courts		Wakefield
RINET		Providence
Roger Williams University		Bristol
Salve Regina University		Newport
Salve Regina University		Pawtucket
South County Hospital		East Greenwich
South County Hospital		Wakefield
South County Hospital		Wakefield
South County Hospital		Narragansett
University of Massachusetts Dartmouth		North Dartmouth
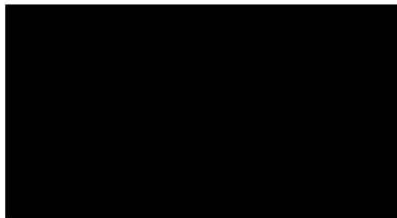
University of Massachusetts Dartmouth	New Bedford
University of Massachusetts Dartmouth	Fairhaven
University of Rhode Island	Providence
University of Rhode Island	West Greenwich
United States Naval War College	Newport
Westerly Hospital	Westerly

Table of Facility Types

School (k-12)
Library
Medical or Healthcare Provider
Public Safety Entity
Community College
Public Housing
Other Institution of Higher Education
Other Community Support Organization
Other Government Facility

ail Template

State	Zip	Facility Type	Minority Serving Institution Type
RI	02906	Other Institution of Higher Education	N/A
RI	02906	Medical or Healthcare Provider	N/A
RI	02886	Medical or Healthcare Provider	N/A
RI	02840	Community College	N/A
RI	02886	Community College	N/A
RI	02808	Medical or Healthcare Provider	N/A
RI	02904	Medical or Healthcare Provider	N/A
RI	02903	Other Government Facility	N/A
RI	02905	Other Government Facility	N/A
RI	02905	Other Government Facility	N/A
RI	02903	Other Government Facility	N/A
RI	02905	Other Government Facility	N/A
RI	02886	Other Government Facility	N/A
RI	02920	Other Government Facility	N/A
RI	02903	Other Government Facility	N/A
RI	02832	Other Government Facility	N/A
RI	02888	Other Government Facility	N/A
RI	02857	Public Safety Entity	N/A
RI	02852	Public Safety Entity	N/A
RI	02840	Medical or Healthcare Provider	N/A
RI	02903	Medical or Healthcare Provider	N/A
RI	02903	Medical or Healthcare Provider	N/A
RI	02915	Medical or Healthcare Provider	N/A
RI	02813	Other Community Support Organization	N/A
RI	02818	Community College	N/A
RI	02886	Community College	N/A
RI	02852	Other Community Support Organization	N/A
RI	02908	Other Community Support Organization	N/A
RI	02903	Other Community Support Organization	N/A
RI	02908	Other Community Support Organization	N/A
RI	02905	Medical or Healthcare Provider	N/A
RI	02905	Medical or Healthcare Provider	N/A
RI	02840	Other Government Facility	N/A
RI	02879	Other Government Facility	N/A
RI	02908	Other Community Support Organization	N/A
RI	02809	Other Institution of Higher Education	N/A
RI	02840	Other Institution of Higher Education	N/A
RI	02860	Other Institution of Higher Education	N/A
RI	02818	Medical or Healthcare Provider	N/A
RI	02879	Medical or Healthcare Provider	N/A
RI	02879	Medical or Healthcare Provider	N/A
RI	02882	Medical or Healthcare Provider	N/A
MA	02747	Other Institution of Higher Education	N/A

MA	02744	Other Institution of Higher Education	N/A
MA	02719	Other Institution of Higher Education	N/A
RI	02903	Other Institution of Higher Education	N/A
RI	02817	Other Institution of Higher Education	N/A
RI	02841	Other Institution of Higher Education	N/A
RI	02891	Medical or Healthcare Provider	N/A

Table of Minority Serving Institutions

N/A
Historically Black College or University
Tribal College or University
Alaska Native Serving Institution
Hispanic Serving Institution
Native Hawaiian Serving Institution

Project Role
Cash Match Contributor
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Title: _____

Easy Grants ID: _____

Facility Type	Address Line 1	City
Collocation Facility		Hartford
Point of Interconnection		Storrs
Collocation Facility		Springfield
Collocation Facility		Boston
Point of Interconnection		Easton
Point of Interconnection		Norton
Collocation Facility		Worcester
Collocation Facility		Providence
Point of Interconnection		Providence
Collocation Facility		Providence
Point of Interconnection		Providence
Point of Interconnection		Bristol
Point of Interconnection		Newport
Point of Interconnection		Warwick
Point of Interconnection		Kingston

Additional Notes

Table of Facility Types

Point of Interconnection
Connection to Service Provider
Collocation Facility
Central Office
Other Centralized Facility
Last Mile Network Access Point
Tower (microwave link)
Tower (cell site)
Non-tower Cell Site

Table of Interconnection Options
Yes
No

of Interest Detail Template

State	Zip	Longitude	Latitude	Interconnection Available at this Location
CT	06120			YES
CT	06269			YES
MA	01109			YES
MA	02111			YES
MA	02357			YES
MA	02766			YES
MA	01608			YES
RI	02908			YES
RI	02903			YES
RI	02908			YES
RI	02906			YES
RI	02809			YES
RI	02840			YES
RI	02886			YES
RI	02881			YES

Table of Status Options

New for Proposed Network
Existing - Applicant/Partner Owned
Existing - Leased from Third Party
Existing - Other

Status in Proposed Network	Party Facility is/will be Owned By
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
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Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	
Existing - Applicant/Partner Owned	

Brief Description

Collocation site for NEREN node
Collocation site for NEREN node
Collocation site for NEREN node
Collocation site for NEREN node
Anchor Institution
Anchor Institution
Collocation site for NEREN node
OSHEAN aggregation point for member connections
Anchor Institution/OSHEAN aggregation point for member connections
Collocation site for NEREN node
Anchor Institution
Anchor Institution
Anchor Institution
Anchor Institution
Anchor Institution

Upload 5 – Management Team Resumes and Organization Chart

The OSHEAN organization that will manage, implement, and oversee the Beacon 2.0 project is a mature body of cross-disciplined individuals, most of whom have worked together before on projects such as Beacon 1.0. The organization is composed of OSHEAN (applicant) personnel, vendor partner personnel, and anchor institution personnel that are members of OSHEAN. The following paragraphs describe our credentials and management team track record. Next, we describe the Beacon 2.0 organization and its duties. Finally, we provide the resumes of key members of the Beacon 2.0 Team.

Applicant Credentials and Management Team Track Record

OSHEAN is a stable, well-respected organization in the Rhode Island community. The Beacon 2.0 program is very relevant and applicable to the work that we do on a regular basis. It is our core competency and we create synergies within the state by managing projects such as what we are proposing for Beacon 2.0. We are an active member of the Rhode Island technology community, regularly contributing expertise and resources to a wide range of initiatives, from school enrichment activities to community forums on technology-related issues in the public interest. OSHEAN also plays a national leadership role in professional education for IT professionals and policy development in the information technology arena.

OSHEAN delivers an economical, broadband, Internet-based communication infrastructure with member services that enhance the productive use of the network. Our advanced solutions include broadband access to the Internet and Internet2, network security, disaster recovery, emergency preparedness, video conferencing and video streaming. OSHEAN delivers and maintains a secure communications infrastructure for Rhode Island's research, education, health care and public service communities. Our members include all universities in Rhode Island, some State government agencies, and several health care organizations.

OSHEAN has a track record of success in designing, planning, implementing, and servicing broadband projects of a similar size and complexity to the proposed Beacon 2.0 project. OSHEAN has the experience needed to ensure that Beacon 2.0 will be implemented on time, on specification, and within cost requirements. Whether it involves responding to short fuse requirements or major projects, OSHEAN takes a proactive role in the communities it serves. The following provide just a few examples of our successful track record.

OSHEAN Performance Metrics	
Number of Facilities	4
Miles of Fiber Laid	1776
Number of Connection Points	34

BEACON Project to Leverage Unused (dark) Fiber – OSHEAN made dark fiber available to several medical and educational institutions. We negotiated master service agreements with several fiber vendors in the North East, facilitating member access to a redundant fiber infrastructure that reaches from metropolitan RI to Boston, Massachusetts.

Healthcare Short Fuse Requirement – OSHEAN was Instrumental in helping Rhode Island healthcare providers adopt a common technology solution in response to new Medicare claims submission and eligibility verification requirements.

Public Safety at university and college campuses – OSHEAN took the lead on an emergency notification initiative.

Safe Harbor Broadband Project to Protect Important Data – OSHEAN provided broadband access to a backup data center to enable Rhode Island institutions to protect their important and irreplaceable data.

NEREN Education and Research Broadband Project – OSHEAN pioneered a fiber-optic network to connect/unify research and education communities in New York and New England.

Special Project Management Expertise – The project manager, Ms. Lynne DeValerio is a proven project manager with 17 years of experience in large system integration implementations. She has project managed multi-million dollar implementation projects, including satellite, radio, and land-line based projects. Applications include mission critical military and other government systems worldwide.

Beacon 2.0 Project and Ongoing Management

The following page presents two organization charts. The first chart depicts the OSHEAN Organization. OSHEAN is the applicant and this organization chart depicts the key management team that will provide ongoing governance, management, and sustainment of the Beacon 2.0 project and network. Part of the OSHEAN organization is Atrion Networking Corporation. Atrion currently performs the full scope of network management services, solutions, and collaboration with OSHEAN on our existing networks and will continue in that role on Beacon 2.0. OSHEAN has an excellent relationship with Atrion, and can attest to their strong adherence to the stringent service level requirements and required network availability of our client institutions, which include medical and emergency response organizations.

The second organization chart depicts the Beacon 2.0 Project Team. This is a highly skilled group of multidisciplined individuals, drawn from OSHEAN and our strategic partners that will plan and manage the successful design and build-out of the Beacon 2.0 Project. The OSHEAN Organization and the Beacon 2.0 Project Team are each described below and resumes are provided.
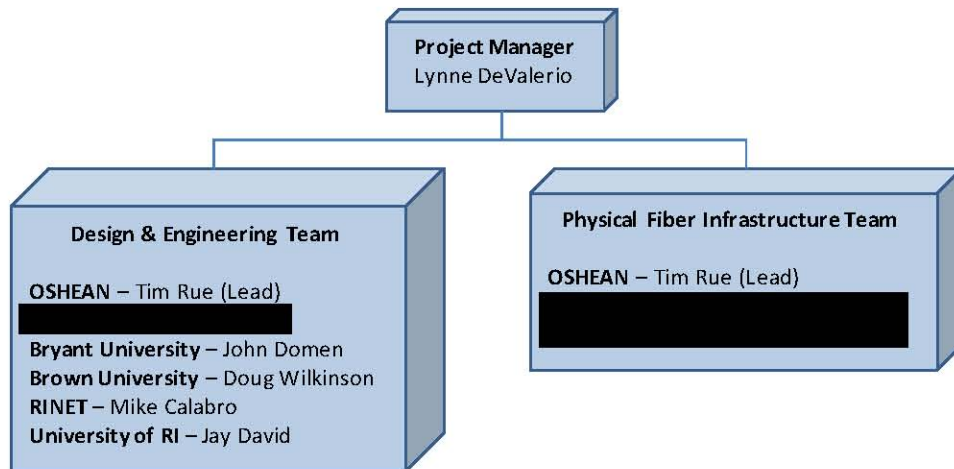
OSHEAN Organization

Mr. George Loftus is OSHEAN's President and CEO and will serve as Beacon 2.0 Program Manager. He is responsible for OSHEAN's executive guidance and leadership, and has overall responsibility for smooth and efficient daily operations, including the coordination of resources on contract. All personnel report to him, directly or indirectly. Mr. Loftus' vision, in collaboration with the OSHEAN board, has been chiefly responsible for the organization's strategic direction and success. He continually strives to innovate OSHEAN's business model and achieve organizational excellence so that OSHEAN serves its members well and is always at the forefront of technology innovation and industry best practices.

Mr. Loftus' broad perspective and vision is demonstrated by his chairmanship of the Internet2 Architecture and Operations Advisory Council (AOAC) which advises the Internet Board and management on matters relating to the architecture, operations, and policies of the Internet2 Network, including regional and international connectivity. He is also former Chair of The Quilt, a coalition of 28 advanced regional network organizations, where leaders from throughout the advanced research and education network community build on the intellectual capital and best practices of network service providers worldwide.

OSHEAN ORGANIZATION
Beacon 2.0 Ongoing Management and Sustainment

Board of Directors

President & CEO
George Loftus

Finance Director
Sue Lataille

Technical Director
Tim Rue

Business Operations Manager
Alison Ferreira

System Admin.
Technicians

Communications Admin.
Business Admin.

KEY	—— Reporting	---- Coordinating	▭ OSHEAN	
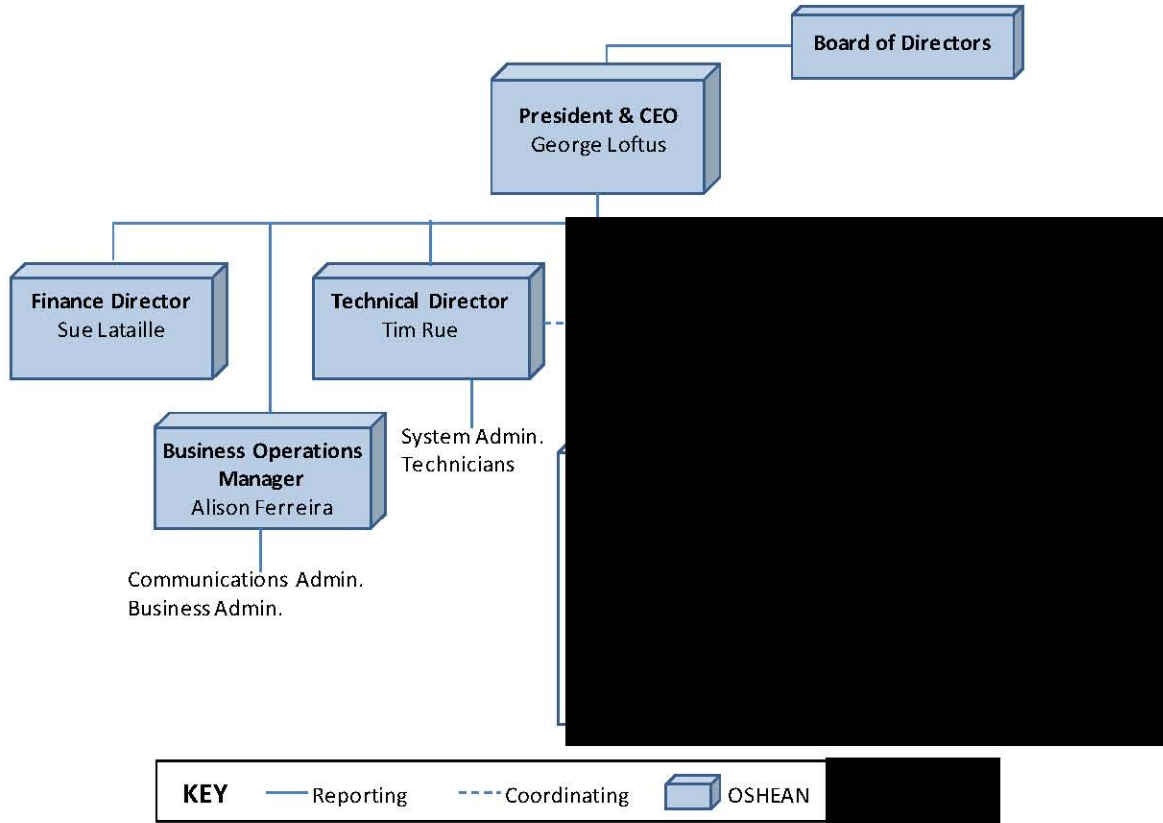
BEACON 2.0 PROJECT TEAM
Beacon 2.0 Design and Build-out

Project Manager
Lynne DeValerio

Design & Engineering Team

OSHEAN – Tim Rue (Lead)

Bryant University – John Domen
Brown University – Doug Wilkinson
RINET – Mike Calabro
University of RI – Jay David

Physical Fiber Infrastructure Team

OSHEAN – Tim Rue (Lead)

Overall responsibility for the Beacon 2.0 Program will reside with Mr. Loftus. He will be the primary management interface between the government, service providers, and Beacon 2.0 stakeholders. Because Mr. Loftus is also OSHEAN's CEO, the highest level of corporate visibility for the Beacon 2.0 Program is assured. Mr. Loftus is authorized to make commitments and negotiate directly with the government and partners.

Mr. Tim Rue is OSHEAN's Technical Director and will serve in that capacity for Beacon 2.0. He is a senior network engineer with over 20 years of technical expertise and business leadership skills. As Technical Director, Mr. Rue develops OSHEAN's short and long term network strategies and is responsible for the daily operations of the network 7x24 utilizing a third party NOC. He manages System Administrator, Technician, and Network Management staff duties.

Ms. Sue Lataille is OSHEAN's Finance Director with over 20 years of accounting experience. She will serve in that capacity for Beacon 2.0. She prepares the annual budget, manages variances, and supervises the annual audit. She oversees compliance with all grants. She also leads Human Resources.

Ms. Alison Ferreira is OSHEAN's Business Operations Manager with 7 years of non-profit business operations experience. She will serve in that capacity for Beacon 2.0. She oversees all business operations and member services. She also provides a range of direct financial and business analysis support to the Finance Committee, Audit Committee, and Board of Directors. She manages Business Administrator and Communications Administrator staff duties.
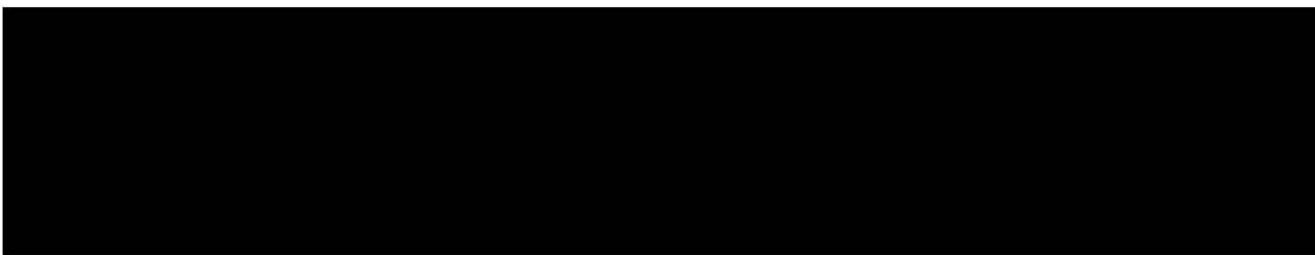
Beacon 2.0 Project Team

Project Management Leadership

Ms. Lynne DeValerio is the Beacon 2.0 Project Manager. She is a certified and proven project management professional with 17 years of experience in large system integration implementations. She has project managed multi-million dollar implementation projects, including satellite, radio, and land-line based projects. Applications include mission critical military and other government systems worldwide. Ms DeValerio will actively manage all aspects of the Beacon 2.0 project to include:

- Project Scope Management
- Schedule Management
- Risk Management
- Communications Management
- Quality Management
- Resource Management
- Procurement Management

Design and Engineering Team

Mr. Tim Rue will serve as Design and Engineering Team Lead. This team is responsible for designing and vetting all aspects of the Beacon 2.0 solution. Mr. Rue is also OSHEAN's Technical Director and his

leadership on this team will provide continuity as well as ensure high-level project visibility within OSHEAN's organization. The team is composed exclusively of senior network engineers that have all worked together before and currently on OSHEAN projects. It includes:

- ██

- *Mr. John Domen* from Bryant University, an anchor institution and OSHEAN member

- *Mr. Doug Wilkinson* from Brown University, an anchor institution, OSHEAN member

- *Mr. Mike Calabro* from RINET, an anchor institution representing K-12 schools throughout the state and an OSHEAN member

- *Mr. Jay David* of University of Rhode Island, an anchor institution, OSHEAN member

Physical Fiber Infrastructure Team

Mr. Tim Rue will also serve as the Physical Fiber Infrastructure Team Lead. This Team is responsible for planning and implementing the installation of fiber along the Beacon 2.0 Route. In addition to physically laying the fiber, this team will be responsible for license acquisition and regulatory approvals. The team includes:

███
███
███
███
███

████████████████*Industry Best Practices*

The Beacon 2.0 project will utilize industry best-practices and the experience of our project manager and vendor partners to ensure that the project proceeds smoothly and within cost and schedule. The following is a summary of the project domains that will be actively managed by the Project team.

Project Scope Mgt.......... The Project Manager (PM) breaks the project down into the core processes that are required to successfully manage and control it. The PM will work with the Design and Engineering Team to ensure business and system requirements are accurately captured, documented, and conveyed to all Beacon 2.0 stakeholders. The PM will ensure a structured approach and adherence to policies for change management.

Schedule Mgt.............. The PM will ensure the Beacon 2.0 project's interdependencies, deliverables, and responsible parties (both OSHEAN and Project-specific) are aligned according to the schedule and that the critical path is intensively managed.

Risk Mgt. ………...........	The PM will work with the Design and Engineering Team, Physical Fiber Infrastructure Team, and OSHEAN senior management to proactively assess and prioritize risk areas. The Teams will then develop strategies and a process to mitigate any risks so that Beacon 2.0 is delivered on time, on budget, and without deficiencies.
Communications Mgt....	The PM will ensure the timely and appropriate generation, collection, dissemination, storage, and disposition of project information and status to all internal (OSHEAN and Project team) and stakeholder groups.
Quality Mgt. …………..	The PM and Team Leads will ensure quality software and hardware is delivered on time and that the Beacon 2.0 solution is totally compliant with business and system requirements.
Resource Mgt……….....	The PM will work closely with Team Leads and the OSHEAN President to ensure the Beacon 2.0 project receives the highest level of services by skilled personnel, maintaining project continuity and avoiding disruption.
Procurement Mgt ……..	The Project Team will adhere to OSHEAN policies and grant requirements to ensure the proper vetting, selection, and management of vendors. Vendor partners have been fully integrated in to the Project Team and will adhere to the same process governing management and quality-of-work that OSHEAN staff are bound by.

OSHEAN Organization and Project Team Resumes

The following pages contain resumes of the key personnel discussed above in both the OSHEAN Organization and Beacon 2.0 Project Team.

George Loftus

OSHEAN President & CEO and Beacon 2.0 Program Manager

Appointments

2000-present	President & CEO	Ocean State Higher Education & Administrative Network (OSHEAN)
2004-present	President & Chairman of the Board	North East Research & Education Network (NEREN)
1991- 2000	Director of Network Services	Brown University
1989-1991	Manager of Technical Services	Textron Financial, Inc.
1987-1989	V.P. of Technical Services	Brown & Associates, Inc.
1981-1987	Senior Network Architect	Raytheon Company
1979-1981	Computer Programmer	Travelers Insurance

Professional Experience and Accomplishments

President and CEO of OSHEAN, responsible for day to day operations of a multi-million dollar, twenty-eight member coalition of higher education, health care, K-12, libraries, and government agencies. Deliver collaborative technological solutions over an advanced self-managed fiber optic network throughout Rhode Island and Southeastern Massachusetts. (2000 – Present)

President of NEREN, involved in advanced networking projects throughout the Northeast. Developed the governance, financial and technical aspects of building a multi-state fiber optic network from New York City to Boston and Albany. Developed and delivered the Safe Harbor Disaster Recovery site used by over 12 institutions of higher education. (2004- Present)

Chair of the Internet2 Architecture and Operations Advisory Council (AOAC) which advises the Internet Board and management on matters relating to the architecture, operations, and policies of the Internet2 Network, including regional and international connectivity. The AOAC is responsible for interacting directly with other network advisory committees. As the AOAC Chair, Mr. Loftus also serves as a member on the Internte2 Board of Trustees.

Past Chair of The Quilt, a coalition of 28 advanced regional network organizations, where leaders from throughout the advanced research and education network community build on the intellectual capital and best practices of network service providers worldwide. (2007)

Director of Network Services Brown University, responsible for the development of a 10-year campus network infrastructure plan (1991-2000) which led to the deployment of a campus-wide fiber optic network, and network access from all residence halls. (1991-2000)

Education

Community College of RI, Computer Studies, A.S., 1979
Salve Regina University, Business Management, B.S., 1983

Timothy Rue

OSHEAN Technology Director, and Team Lead for Beacon 2.0 Design and Engineering and Physical Fiber Infrastructure Team

Summary: Well rounded senior network engineer with over 20 years of technical expertise and business leadership skills to drive process efficiencies, identify and exploit business and technology opportunities, and provide exceptional customer service.

Professional Experience

OSHEAN Inc. – North Kingstown, RI, February 2002 - Present
Director of Technology. Develop long term network strategies. Evaluate new technologies and develop plans for their implementation. Upgraded the network from a 50 Megabit small capacity network to a multi gigabit high capacity service provider network. Implemented BGP load balancing techniques to support multiple up stream service providers. Diligently worked on risk assessment and mitigation and improved the uptime of network from 95% to 99.999%. Responsible for the daily operations of the network 7x24 utilizing a third party NOC. Created RFPs to solicit proposals from internet service providers and network integrators.

Cisco Systems, Lexington, MA, January, 2001 – January 2002
Systems Engineer. Provided account managers with presales engineering support and post sales follow up. Designed and configured Cisco IP Telephony Network for strategic accounts. Performed product and proof of concept demonstrations to new and existing customers. Provided training to clients and internal personnel on Wireless LAN Technologies. Responded to RFPs from prospective customers. Evaluated competitive products for their strengths and weaknesses.

Lighthouse Communications, Inc., Warwick, RI, September 1996 – January 2001
Founding Principle and Director of NOC Services. Directed the vision, strategic plan and company operations, including service development, finance, customer service, business development and strategic partnerships. Designed the NOC and tools utilized to perform remote network monitoring. Deployed network monitoring solutions for subscribing customers. Created network designs based on Cisco hardware per customer requirements.

GTECH Corporation, West Greenwich, RI, June 1986 – September 1996
Regional Manager of Communications, Americas. Directed 20 employees responsible for the design and deployment of highly competitive Government Lottery Networks. Supported proposals for worldwide clients. Designed and deployed licensed frequency wireless radio communication networks in countries without traditional terrestrial networks. Designed and deployed satellite networks using VSAT. Negotiated contracts with telephone companies and PTTs for networks with up to 30,000 end points. Performed "Live" network cutovers. Coordinated project teams. Responsible for multimillion dollar project budgets.

Education and Certifications

Certification in Telecommunications, Northeastern University, Boston, MA, 1994 - 1995
Certification in Electronic Engineering, Practical Schools, Anaheim, CA, 1986 – 1987
Other Certifications include CCNA (Cisco Certified Network Associate) – CCNP (Cisco Certified Network Professional) – CCSA (Checkpoint Certified Security Administrator)

Sue Lataille

OSHEAN and Beacon 2.0 Director of Finance and Administration

Professional Experience

Financial Consultant – for several clients   2001-Present

OSHEAN, Inc. Director of Finance and Administration   2005-Present
Preparation of Annual Budget; Variance Analysis; Human Resource Administrator; Annual
Audit Supervision

Financial Innovations Inc., Chief Accountant   2004—Present
Financial Statement Preparation; Accounting; Department Supervisor

M. Howard & Ruth E Triedman MD., Inc., Financial Specialist   1990-Present
Tax Planning; Accounting/Budgeting

RINET, Financial Consultant,   2001- Present
Auditing/Budgeting

Hodosh Dental Associates, Fraud Consultant   2004-2008
Internal Control Monitoring

Kent County Memorial Hospital Employees' Federal Credit Union   1991-2005
Compliance Auditor

Mardo Lachapelle & Co, Certified Public Accountants   1999-2001
Audit Specialist

Education and Certification

Education: BS, Accounting, University of Rhode Island, 1980 (Summa Cum Laude)

Alison Ferreira

OSHEAN and Beacon 2.0 Business Operations Manager

Professional Experience

<u>OSHEAN, Inc., North Kingstown, RI</u>   January, 2004 - Present

Manager of Business Operations   July, 2008 - Present
- Oversee all business operations. Responsible for development, presentation and approval of annual $3.5M budget. Direct Interface with Finance Committee, Audit Committee, and Board of Directors

- Generate financial analysis, market comparisons and plans for Finance Committee and Board. Support annual financial audits under Director of Finance and Administration; process all AP/AR transactions and associated vendor/member relations and negotiations; and project manage member service projects and process all associated agreements

- Produce and oversee all media, including acting as lead for annual report and OSHEAN Current (publication).

- Perform HR duties including Payroll and Benefits records

- Manage all Business Administrator and Communications Administrator staff duties

Business Analyst   January, 2004 – July, 2008
- Provided support to the Executive Director and Manager of Business Operations

<u>NEREN, Inc., North Kingstown, RI</u>   January, 2004 – Present

Business Analyst
- Provide support to the Board of Directors
- Responsible for development, presentation and approval of annual budget
- Process all AP/AR transactions and associated vendor/member relations and negotiations
- Generate financial analysis, market comparisons and plans for Board of Directors
- Engage in RFP processes for dark fiber and network services
- Assist with PM for member service projects and associated contract development and   negotiations
- Coordinate with webmaster on website production and applications

Education and Certification

- BA, Economics; University of New Hampshire, Whittemore School of Business and Economics, Durham, NH Graduated Cum Laude with a 3.3 / 4.0 GPA
- 2006 – Bryant University Executive Development Center - Project Management Certificate
- 2005 – Community College of Rhode Island – Introduction to Dreamweaver Certificate
- 2005 – Community College of Rhode Island – Designing Effective Web Sites Certificate
- 2004 – Community College of Rhode Island – Creating Effective Web Pages Certificate
- QuickBooks and Peachtree Accounting Software Programs
- Microsoft Office Suite – includes Word, Excel, Access, Visio, PowerPoint, Publisher
- Adobe Products – includes Illustrator and Acrobat
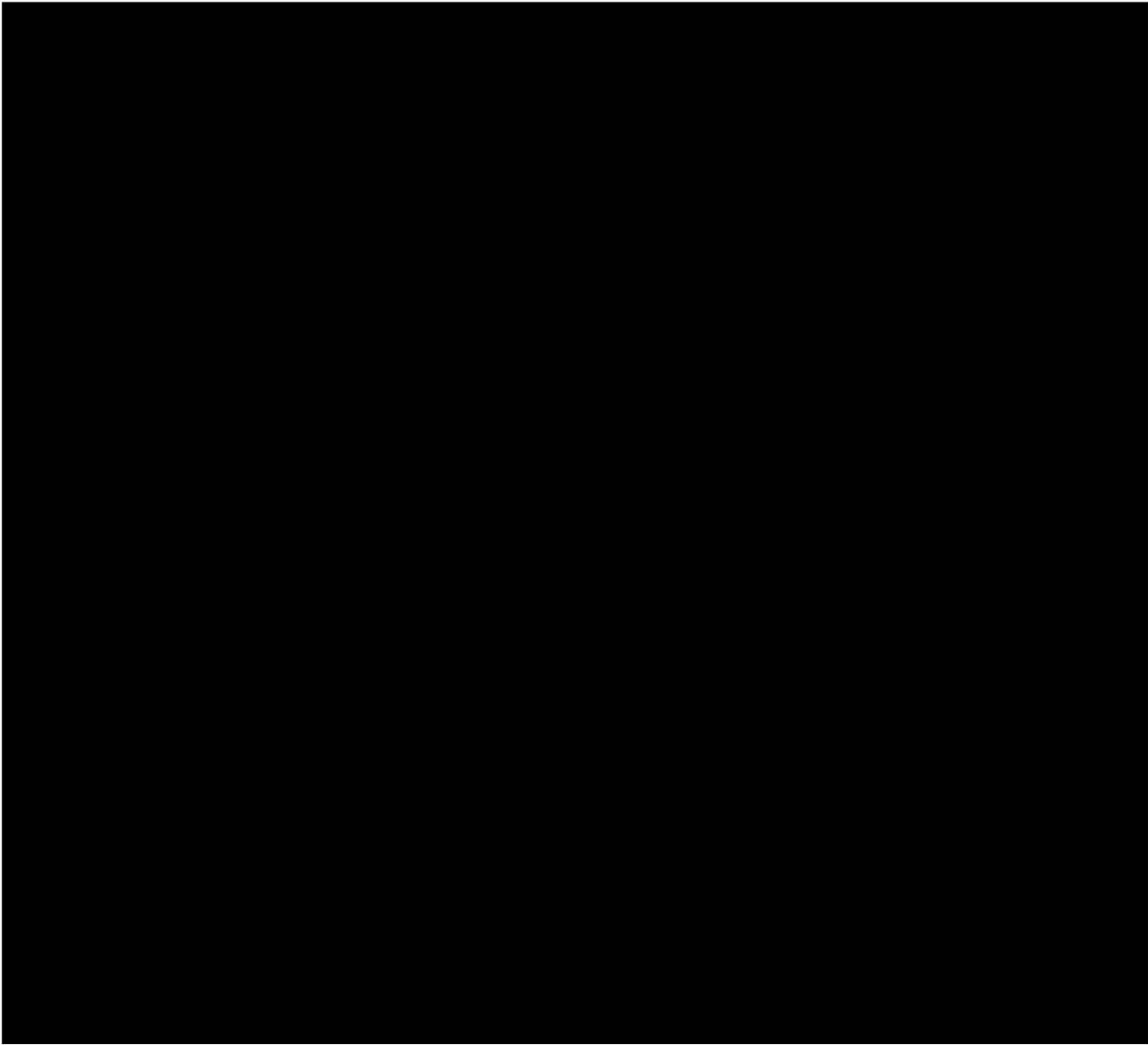
Lynne L. DeValerio, PMP

Beacon 2.0 Project Manager

Summary: Proven Project Manager with 17 years of experience in large system integration implementations. Subject matter expert in project efficiency and developing customized processes and procedures based on industry best practices. Known for the unique ability to bring people together to stay informed and work as a team as the project moves through its life cycle. Outstanding background in leadership. Responsible for developing project controls which enabled all projects to be brought in on or under budget. Qualifies as a small, woman-owned business.

Professional Experience

DeValerio Consulting, LLC, Jamestown, RI, 2007 - Present
For Raytheon Integrated Defense Systems: project management consultant, working on Zumwalt DDG 1000 Navy Cruiser program. Strong Program Planning and Execution Manager using Raytheon's Management processes including Integrated Product Development System (IPDS), Integrated Master Plan/Schedule (IMP/IMS), Earned Value Management System (EVMS) and the Program Integrated Network Tool (PIN). Responsibilities include schedule development and management and cross project coordination.

For Neighborhood Health Plan of RI: project management consultant, responsible for managing, planning, coordinating, and expediting activities for the implementation of a new product.

Integrated Management Solutions, Inc. Jamestown, RI, 2005 - 2007
Performed work on the Raytheon Zumwalt Navy Cruiser program as described above.

GTECH Corporation, West Greenwich, RI, 1992 - 2005
Manager, Program Management Office (PMO), Worldwide Implementations, 1997-2005. Responsible for the implementation, development, and maintenance of GTECH's Systems Integration PMO. The Systems Integration group was responsible for all large multi-million dollar projects delivering the implementation of on-line, instant, video and other lottery systems worldwide. The PMO had oversight responsibilities for approximately 30 active projects at any given time. In addition, I served as direct supervisor of all System Integration worldwide Project Managers (approximately 30 staff based in 6 countries – US, Poland, UK, Belgium, Portugal, and Germany).

Education and Certification

Master of Business Administration (MBA), Management, University of Rhode Island
Bachelor of Arts (BA), Psychology, University of Rhode Island

Women's Business Enterprise (WBE) Certification – Women's Business Enterprise National Council – Minority Business Certification (WBE/DBE) – State of Rhode Island
Project Management Professional (PMP) Certification – Project Management Institute
Certificate of Professional Achievement in Telecommunications Engineering, Northeastern University – Secret Clearance, obtained 2006

John Domen

Bryant University Network Analyst and Beacon 2.0 Design and Engineering Team Member

Jonathan Domen, Network Analyst, Bryant University, provides network design and support for Bryant's academic and administrative networks. As a member of the network team, Jon works to utilize the latest technology and practices to develop standards based network infrastructure to support Bryant's leading edge services, applications, and emerging technologies. He serves on several projects to implement new network services to the university as a whole. He develops university wide policies for end point security compliance and use. He holds a M.S. degree.

Doug Wilkinson

Brown University Network Technology Group Manager and Beacon 2.0 Design and Engineering Team Member

Doug Wilkinson is currently the Manager of the Network Technology Group for Brown University. Mr. Wilkinson has over 20 years of technical experience in network systems and fiber optic network implementation and support. As part of the central IT organization, the Network Technology Group is responsible for the maintenance of over 35,000 network ports, utilization of the campus and building fiber infrastructure, wireless access, Internet and Internet2 connectivity, DNS, DHCP, IPTV service for residence halls, connectivity to Disaster Recovery sites and data center networking. Doug has personally contributed to the core team of OSHEAN since its inception and continues to provide support and technical guidance as OSHEAN expands network services, capacity and membership.

Mike Calabro

RINET Project Manager and Beacon 2.0 Design and Engineering Team Member

Michael Calabro has been working at Rhode Island Network for Educational Technology, Inc. (RINET) since March of 2003. RINET develops a shared, technology-based infrastructure that delivers safe and reliable universal access to innovative and affordable high-quality programs and services for public and non-profit schools (K-12). Mr. Calabro is the project manager for the wide-spread yearly WAN circuit upgrades and installations for K-12 schools. He is responsible for the development, design, and implementation of network services and provides technical leadership for School District technology staff. RINET relies on him as a point of escalation for troubleshooting and maintaining infrastructure, as well as network monitoring and health assessment. Mr. Calabro began by working for the University of Rhode Island phone department doing installations and minor repairs as a student and has been in the industry for 10 years.

Jay David

URI Data Network Manager and Beacon 2.0 Design and Engineering Team Member

Jay David has worked in the IT field for over 20 years. He started as a programmer/system administrator working for the RI State Department of Mental Health Retardation and Hospitals. In 1988 he began his

career at URI as a programmer/analyst and in 1992 while still at URI the focus of his work became data communications and Computer Networking. Since 2000 he has managed the URI data network consisting of approximately 600 network switches and approximately 800 wireless access points dispersed across four campuses. In 2006 he was also given responsibility for the university telephone system which is being migrated to VoIP. Mr. David has a BS in Natural Resource Science from URI and an AS from CCRI in Computer Science. He also has a Graduate Certificate in Computer Forensics from URI.