

# FIBER OPTICS OPPORTUNITIES INITIATIVE STATUS UPDATE

Office of Public-Private Partnerships

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# Objectives for Fiber Optics Opportunities Initiative

- **Execute a strategy that meets Virginia Governor's and Legislative leadership's telecommunications objectives, including all underserved and rural areas, for broadband.**
- **Exploit easy win opportunities that benefit and/or prepare Virginia's transportation infrastructure, operations, Commonwealth and business functions by leveraging fiber (current and future expanded) capability.**

# Quick Overview



**Phase 1**

- Needs Identification
- Market Assessment
- Delivery Options (initial)

**Timeframe: June 2018**

**Phase 2**

- Detailed Analysis
- Attractive Delivery Options
- Other items as identified

**Timeframe: TBD**

**Execute!**

**Q:** What are the exploitable opportunities leveraging existing and future connected VDOT fiber resources?

**Q:** What opportunities should we exploit and how; what are priorities?

# ACTION and Accomplishments

## April 2018

- ✓ Completed Phase 1 market assessment and valuation
- ✓ Completed review of initial data and provided feedback

## May 2018

- ✓ Conducted interviews with broadband experts
- ✓ Met with Transatlantic Fiber Ring PM (next steps TBD)
- ✓ Brainstormed best approach to gather full gamut of CoVA needs with CIT
- ✓ Held strategy meeting with CIT for pending MOU
- ✓ Documented attractive pilot options with EY and CIT
- ✓ Retrieved community anchor data from CIT (2015)
- ✓ Consulted with OAG for phase 1 review
- ✓ Validated EY benchmark data
- ✓ Meeting with Commonwealth CIO
- ✓ Began base planning for phase 2 (glass half full 😊)

# Action Plan (May-June)

## Action Plan Overview:

**Critical path is to consolidate information and produce a meaningful report by June 19<sup>th</sup>. The team is currently working to validate report data, estimate phase 2 budget needs, understand CoVA telecom specific needs, develop list of assumptions/risks/constraints/lessons learned, identify phase 2 stakeholders and required interaction models, define and execute attractive pilot options, and integrate CIT to assist more with Commonwealth perspectives.**

## Details:

- **Overlay commonwealth localities data over existing maps – in progress**
- **Consolidate all information into final report – June 7**
- **Joint review of draft report – June 12**
- **CTB subcommittee meeting – June 19/20**

# Phase 1 Stakeholders

1. **CTB - Oversight**
2. **VDOT P3 – Program management**
3. **VDOT Operations – VDOT needs**
4. **Kimley-Horn – Communications Master Plan update**
5. **Ernst & Young – Valuation and assessment**
6. **VITA – CoVA telecom needs**
7. **VDOT Tech Strategic Planning – Tech strategy**
8. **Dept. of Technology (Arlington) – Lessons learned**
9. **Office of Attorney General – Policy and legislative guidance**
10. **Center for Innovative Technology (CIT) – Additional CoVA guidance**
11. **Broadband experts – Subject matter expert guidance**

# Questions



# Appendix

# Phase 1 – Identify Opportunities (for existing and future connected fiber)

Phase 1 = Needs identification, market assessment, delivery options (high level), and recommendations.

(Are there opportunities? What is the estimated value of those opportunities? and How can VDOT exploit?)



Note: plan is to expand stakeholder base in phase 2 (DRPT, VA Commerce & Trade, LAD, etc.)

# Phase 1 Timeline

## 1. Need Identification (VDOT and CoVA needs assessments)

- ✓ VDOT Needs (update Communications Master Plan lead by Operations Division)
- Commonwealth Needs Identification

## 2. Valuation (commercial value assessment)

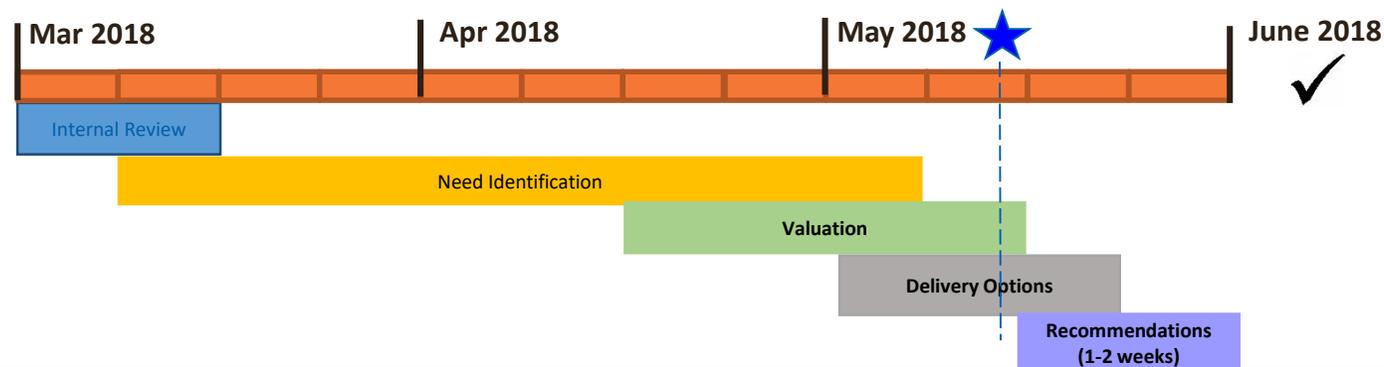
- Assess option value within VDOT as well as across the commonwealth based on demand, commercial need and opportunities of ROW

## 3. Potential Delivery Options (discussion on pros and cons)

- Resource Sharing
- P3

## 4. Recommendations

- Next steps for project development/procurement
- Stakeholder outreach and process



# MS Project Details

% Complete	Task Name	Duration	Start	Finish
0%	Fiber Optics Opportunities Initiative			
<b>82%</b>	<b>Identification/Pre-Screening</b>	<b>86 days</b>	<b>Mon 2/19/18</b>	<b>Tue 6/19/18</b>
100%	Task Order Development	17 days	Mon 2/19/18	Tue 3/13/18
100%	Define phase 1 scope	12 days	Mon 2/19/18	Tue 3/6/18
100%	Define phase 1 stakeholders	6 days	Wed 3/7/18	Wed 3/14/18
100%	Set up phase 1 meeting framework	3 days	Wed 3/7/18	Fri 3/9/18
100%	TO Approval	7 days	Thu 3/15/18	Fri 3/23/18
100%	MS: Phase 1 Kick Off	0 days	Wed 3/14/18	Wed 3/14/18
<b>79%</b>	<b>Phase 1 - Identify Opportunities/Valuation</b>	<b>69 days</b>	<b>Wed 3/14/18</b>	<b>Tue 6/19/18</b>
100%	Start Phase 1 Engagement	0 days	Wed 3/14/18	Wed 3/14/18
100%	Information Gathering Complete	13 days	Wed 3/14/18	Fri 3/30/18
100%	QA from EY	22 days	Wed 3/14/18	Thu 4/12/18
100%	Draft 1 Review	0 days	Thu 4/12/18	Thu 4/12/18
100%	Consolidated Review of Draft 1	0 days	Thu 4/19/18	Thu 4/19/18
0%	Benchmark data review	0 days	Wed 5/9/18	Wed 5/9/18
100%	OAG Review	0 days	Thu 4/26/18	Thu 4/26/18
100%	OAG feedback/report complete	20 days	Thu 4/26/18	Wed 5/23/18
0%	Meeting with CoVA CIO for CoVA needs	0 days	Tue 5/8/18	Tue 5/8/18
0%	CoVA needs identified	0 days	Tue 5/8/18	Tue 5/8/18
100%	VDOT needs identified	0 days	Mon 4/2/18	Mon 4/2/18
100%	Lessons Learned from Arlington County	0 days	Thu 4/26/18	Thu 4/26/18
100%	Collect guidance from Broadband Expert Jimmy Carr (All Points Broadband) Meeting #1	0 days	Thu 4/26/18	Thu 4/26/18
0%	Collect guidance from Broadband Expert Jimmy Carr (All Points Broadband) Meeting #2	0 days	Wed 5/9/18	Wed 5/9/18
100%	Meeting with CIT to discuss Fiber Pilots	1 day	Thu 4/26/18	Thu 4/26/18
0%	CIT fiber map included in assessment	7 days	Fri 4/27/18	Mon 5/7/18
<b>0%</b>	<b>Document all assumptions towards the study (discuss at 5/4 meeting)</b>	<b>8 days</b>	<b>Thu 4/26/18</b>	<b>Mon 5/7/18</b>
0%	Final Draft Report Complete	0 days	Thu 6/7/18	Thu 6/7/18
0%	Consolidated Review of Final Draft	0 days	Tue 6/12/18	Tue 6/12/18
0%	Final Draft Report Review with Dep Commissioner	0 days	Thu 6/14/18	Thu 6/14/18
0%	<b>CTB Subcommittee Meeting (EY and P3) 10am</b>	0 days	Tue 6/19/18	Tue 6/19/18
<b>52%</b>	<b>Phase 2 - Define Opportunities and Delivery Approach</b>	<b>19 days</b>	<b>Tue 4/17/18</b>	<b>Fri 5/11/18</b>
45%	Develop high level scope and budget for phase 2	19 days	Tue 4/17/18	Fri 5/11/18
100%	Confirm value for Rt. 234	3 days	Thu 4/19/18	Mon 4/23/18
0%	Project Development - Not started			
0%	Project Procurement- Not started			
0%	Project Implementation- Not started			