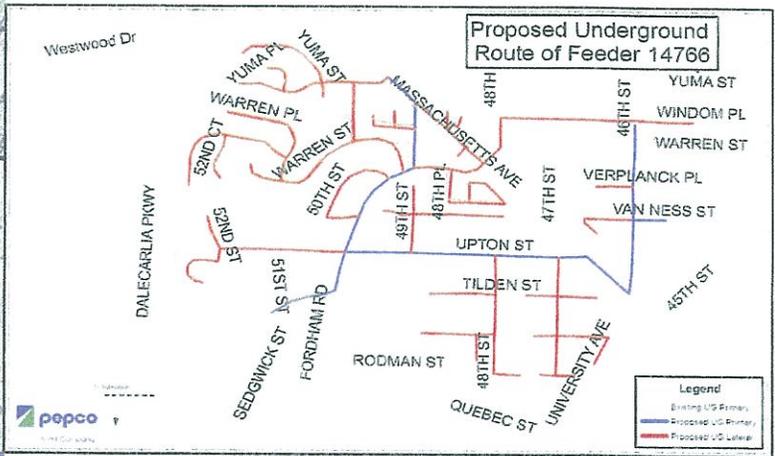
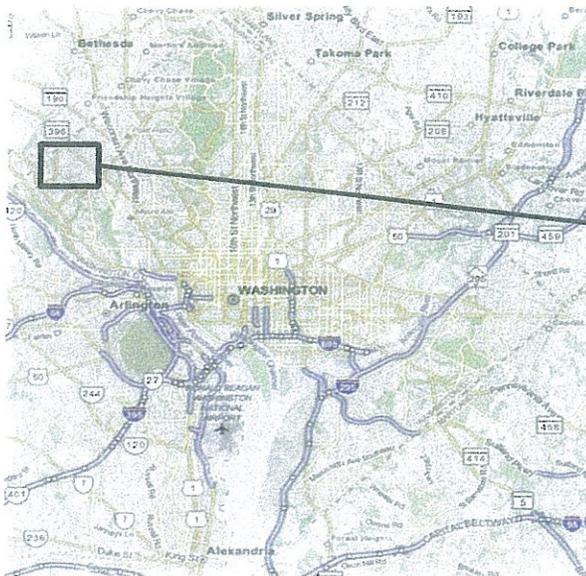


# Feeder 14766

Ward	Voltage	Customers on Feeder	Feeder Miles			Neighborhood(s)	Description
			Total	OH	UG		
3	13kV	715	10.249	35%	65%	American University Park Spring Valley	Feeder 14766 serves the general vicinity of Mass AVE, NW between Yuma Street and Rodman Street. Approximately 92% of customers are residential and 8% are commercial.



Average Annual Reliability Performance Indices (January 2010 - December 2012) - MSO Inclusive						
Cause	CI	% of Total CI	CMI	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	57	3.157%	10,361	0.495%	0.079	14
Other <sup>1</sup>	304	16.955%	136,304	6.510%	0.424	190
Equipment Failure	453	25.237%	13,804	0.659%	0.632	19
Tree	855	47.651%	1,824,241	87.124%	1.193	2544
Weather	126	7.001%	109,145	5.213%	0.175	152
<b>Total</b>	<b>1,795</b>	<b>100%</b>	<b>2,093,855</b>	<b>100%</b>	<b>2.5</b>	<b>2,920</b>

<sup>1</sup> Causes include vandalism, motor vehicle, load, foreign contact, employee and other causes

# Feeder 14766

## Future Load Projections

	Normal Capacity	Emergency Capacity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Load (MVA)	7.5	8.5	7.5	7.5	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8

## Proposed Scope of Work

- Remove existing OH primary wire and transformers
- Install approximately 55 manholes
- Install approximately 10 UG tap holes
- Install approximately 3.4 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 52 transformers
- Install approximately 7 switches
- Install approximately 1.1 miles of mainline cable
- Install approximately 3.9 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Pepco estimated cost for this feeder:	\$	5,229,859
DDOT estimated cost for this feeder:	\$	5,111,836
<b>Total estimated cost for this feeder:</b>	<b>\$</b>	<b>10,341,696</b>