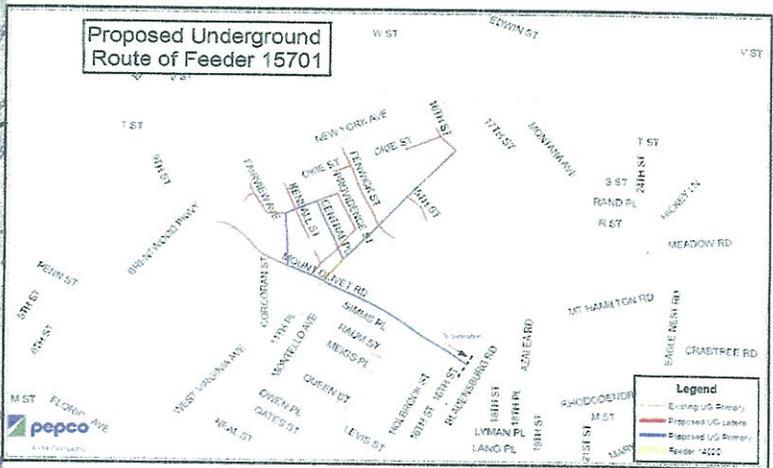
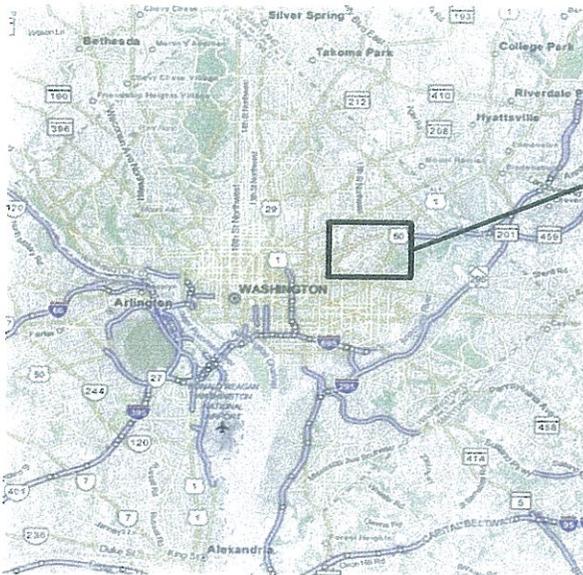


# Feeder 15701

Ward	Voltage	Customers on Feeder	Feeder Miles			Neighborhood(s)	Description
			Total	OH	UG		
5	13kV	2,842	11.560	26%	74%	Gallaudet Trinidad Ivy City Arboretum	Primarily serves load along Bladensburg Road, Mount Olivet Road, and West Virginia Avenue in Northeast Washington D.C. Approximately 89% of customers are residential and 11% are commercial.



Cause	CI	% of Total CI	CMI	% of Total CMI	SAIFI	SAIDI (Minutes)
Animal	1,733	29.115%	194,202	6.958%	0.610	68
Other <sup>1</sup>	2,613	43.886%	94,483	3.385%	0.919	33
Equipment Failure	160	2.688%	43,462	1.557%	0.056	15
Tree	23	0.392%	6,175	0.221%	0.008	2
Weather	1,424	23.919%	2,452,926	87.879%	0.501	863
<b>Total</b>	<b>5,953</b>	<b>100%</b>	<b>2,791,248</b>	<b>100%</b>	<b>2.1</b>	<b>982</b>

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

# Feeder 15701

## Future Load Projections

	Normal Capacity	Emergency Capacity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Load (MVA)	9.0	10.0	8.6	8.8	8.9	9.0	8.5	8.5	8.6	8.7	8.7	8.9

## Proposed Scope of Work

- Remove existing OH primary wire and transformers
- Install approximately 89 manholes
- Install approximately 57 UG tap holes
- Install approximately 2.1 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 100 transformers
- Install approximately 11 switches
- Install approximately 1.9 miles of mainline cable
- Install approximately 5.7 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Pepco estimated cost for this feeder:	\$	8,066,663
DDOT estimated cost for this feeder:	\$	6,716,049
<b>Total estimated cost for this feeder:</b>	<b>\$</b>	<b>14,782,712</b>