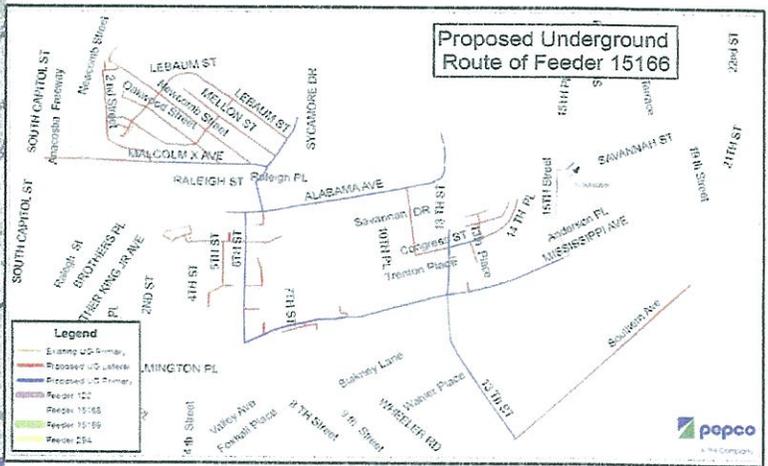
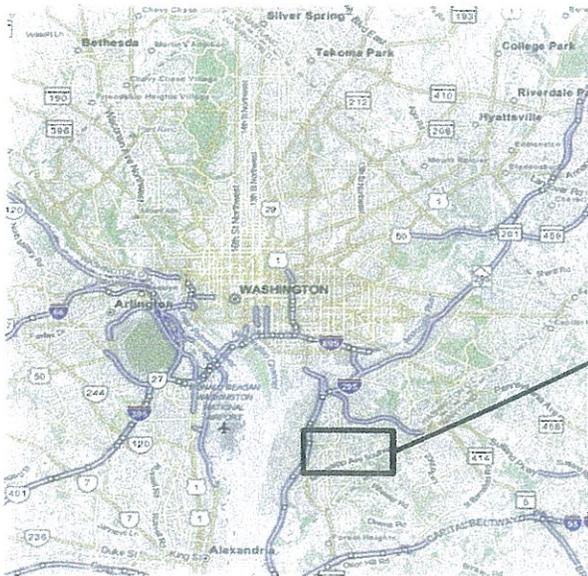


# Feeder 15166

Ward	Voltage	Customers on Feeder	Feeder Miles			Neighborhood(s)	Description
			Total	OH	UG		
8	13kV	2,140	9.887	82%	18%	Congress Heights Shipley Terrace Joint Base Anacostia Bolling St. Elizabeth's Douglas Washington Highlands	Feeder 15661 services residential homes Northeast of Malcom X Ave and MLK Jr. Ave, Southern Avenue Metro station, and St. Elizabeth Hospital as well as residence and commercial businesses on Mississippi Ave., Congress St. and 4th St. SE. Approximately 91% of customers are residential and 9% 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	94	1.752%	12,353	0.503%	0.044	6
Other <sup>1</sup>	440	8.224%	107,600	4.379%	0.205	50
Equipment Failure	2,052	38.375%	157,085	6.392%	0.959	73
Tree	1,875	35.077%	1,392,519	56.667%	0.876	651
Weather	886	16.572%	787,800	32.059%	0.414	368
<b>Total</b>	<b>5,346</b>	<b>100%</b>	<b>2,457,356</b>	<b>100%</b>	<b>2.5</b>	<b>1,148</b>

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

# Feeder 15166

## Future Load Projections

	Normal Capacity	Emergency Capacity	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Load (MVA)	8.5	10.5	7.6	7.6	7.8	7.8	8.2	8.5	8.5	8.5	5.2	5.3

## Proposed Scope of Work

- Remove existing OH primary wire and transformers
- Install approximately 160 manholes
- Install approximately 37 UG tap holes
- Install approximately 5.3 miles of duct bank in an underground trench
- Install ancillary civil equipment including associated paving milling
- Install approximately 100 transformers
- Install approximately 13 switches
- Install approximately 5 miles of mainline cable
- Install approximately 8.1 miles of lateral cable
- Install ancillary electrical equipment including cable supports, joints and insulators

Pepco estimated cost for this feeder:	\$	14,526,213
DDOT estimated cost for this feeder:	\$	13,155,531
<b>Total estimated cost for this feeder:</b>	<b>\$</b>	<b>27,681,744</b>