

Source: Water & Light

To: <u>City Council</u> From: <u>City Manager and Staff</u>

Council Meeting Date: May 6, 2013

Agenda Item No: REP 64-13

Re:

Removal of Tree at 401 S. Garth

EXECUTIVE SUMMARY:

After being contacted by several concerned citizens, Water and Light has investigated removing a tree located at 401 South Garth. The tree is in current contact with telephone facilities and poses an immediate threat to them. The telephone facilities are attached to a pole that serves as a down guy for a Water and Light three phase line across the street. If the tree were to fall it would most likely cause an outage to over 1000 customers. Water and Light has collaborated with the City's Arborist who also recommends that the tree be removed. The tree would be replaced with an appropriate species through Water and Light's Trade-a-Tree program.

DISCUSSION:

During the recent snow storms, Water and Light received calls from concerned citizens regarding a tree located at the corner of Garth Ave. & Stewart Rd. Staff responded by investigating the location of the tree and performed an evaluation noting the severe angle at which the tree was leaning, the number of dead limbs, and the heaving of the base.

The lean of the tree is concerning due to its overhanging of the busy intersection. This intersection of Garth Ave. & Stewart Rd. has many citizens either walking, cycling, or commuting daily. There have been reports of limbs that have fallen onto paths of citizens and pose a future risk of more limbs dropping. Another concern of the tree leaning is that it resides above and on an existing telephone line. As the tree continues to lean further into the phone line, the amount of pressure is increased. The additional amount of weight on the line is jeopardizing the integrity of the poles that the line attaches to. This causes concern for the electric utility, for the phone line is anchored to the east on a pole that is owned by the City of Columbia. The pole is used as an anchor for Water and Light's three phase lines at the Northeast corner of intersection. These lines supply over 1000 customers with electric service. Due to the significant number of customers the three phase electric line serve, the integrity of these poles is critical. There is also a threat of the tree falling into the three phase lines themselves.

Staff has contacted the City Arborist to gain his perspective on the tree. The Arborist is aware of the tree and the concerns with its overall health. Staff has also coordinated with the owner of the property who concurs that the tree should be removed. The customer has requested to participate in the utilities Trade-a-Tree program and will receive a replacement tree after the current one has been removed. The new tree will be a species approved by the utility to grow underneath existing facilities.

FISCAL IMPACT:

None.

VISION IMPACT:

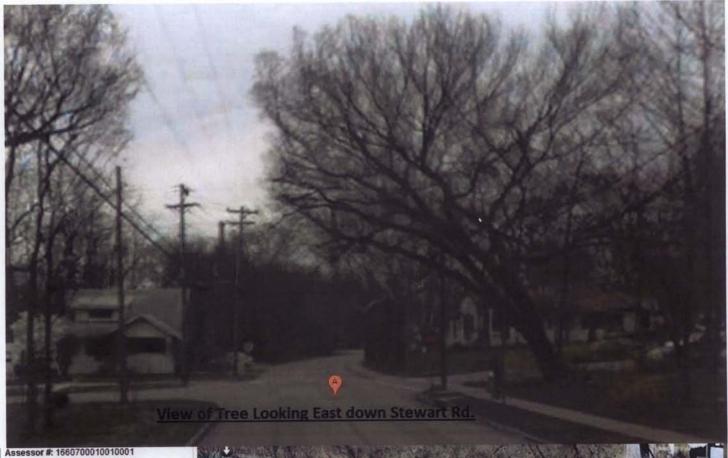
http://www.gocolumbiamo.com/Council/Meetings/visionimpact.php

None.

SUGGESTED COUNCIL ACTIONS:

Direct staff to remove the tree and replace it utilizing the Trade-A-Tree program.

FISCAL and VISION NOTES:							
City Fiscal Impact Enter all that apply		Program Impact		Mandates			
City's current net FY cost	\$0.00	New Program/ Agency?	No	Federal or State mandated?	No		
Amount of funds already appropriated	\$0.00	Duplicates/Epands an existing program?	No	Vision Implementation impact			
Amount of budget amendment needed	\$0.00	Fiscal Impact on any local political subdivision?	No	Enter all that apply: Refer to Web site			
Estimated 2 year net costs:		Resources Required		Vision Impact?	No		
One Time	\$0.00	Requires add'l FTE Personnel?	No	Primary Vision, Strategy and/or Goal Item #			
Operating/ Ongoing	\$0.00	Requires add'l facilities?	No	Secondary Vision, Strategy and/or Goal Item #			
		Requires add'l capital equipment?	No	Fiscal year implementation Task #			



Parcel Address: 401 S Garth Ave Owner: STRAWN JOHN R & CHARLOTTE Owner (cont.): R Owner Address: 401 S GARTH AVE City: COLUMBIA State: MO Zipcode: 65203 Government: City of Columbia

Year Annexed: 1845 Council Ward: Fourth Council Person: Ian Thomas Neighborhood Assn: Historic Old Southwest

Zoning Districts: R-1 Zoning Overlay: **Development Status: Developed**

Parcel Area: 17398.9 Sq Ft Metro 2020: Neighborhood Annexation Agreement: No **Development Agreement:** No Solid Waste: City - Wednesday Sewer Service: City of Columbia Electric Service: City of Columbia Water Service: City of Columbia

Fire Protection: CFD Fire Station #: Station 1

Police Protection: Columbia Police Dept

Police District: 50

Animal Control: Urban Services

School District: Columbia Public Schools

Elementary School: Grant Middle School: Smithton Jr High School: West

Sr High School: Rock Bridge Special Business District: No

TDD: No

TIF: No CID: No

DBR Library Tax: Columbia Library

CDBG Area: No NRT Area: No

Major Watershed: Perche Creek Secondary Watershed: Hinkson Creek Immediate Watershed: Flat Branch







Tree Hazard Evaluation Form

Site/Address: 40/Slart	HAZARD RATING:
Map/Location: Front yard	
Owner: public private unknown other	Failure + Size + Target = Hazard Potential of part Rating Rating
Date: 4/18/13 Inspector: City Arborist	
/	Immediate action needed Needs further inspection
Date of last inspection:	Dead tree
TREE OLIADA OTERIOTION	
TREE CHARACTERISTICS	
Tree#: 40 Species: 5 M DBH: 36" # of trunks: 2 Height: 40 Spread: 40	
DBH: $\frac{\sim 36''}{}$ # of trunks: $\frac{\sim}{}$ Height: $\frac{\sim 40'}{}$ Spread: $\frac{\sim 40''}{}$	
Form: ☐ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ sta	g-headed
Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed	
Live crown ration: <u>∼ &</u> % Age class: □ young 黛 mature □ over-mature	
Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ poll	arded ⊠ crown reduced □ none
Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ s	shade □ indigenous □ other
TREE HEALTH Dormant	
Foliage color: ☐ normal ☐ chlorotic ☐ necrotic Epicormics? 🕜 N	
Foliage density: ☐ normal ☐ sparse Leaf Size: ☐ normal ☐ small	
Annual shoot growth: ☐ excellent ☐ average ☐ poor Twig dieback? ※ N	
Callus development: ☐ excellent ☐ average ☒ poor ☐ none	
Major pests/diseases: <u>bores</u>	
SITE CONDITIONS	
Site character:	atural 🗆
Landscape type: parkway raised bed container open raised Siele	
Irrigation: ☑ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted	
% dripline paved: 0% 10-25% 25-50% 75-100% Lifted? ♥ N	
% dripline w/fill soil: 0% 10-25% 25-50% 75-100%	
% dripline grade lowered: 0% 10-25% 25-50% 75-100%	
Soil problems: 🗆 drainage 🗆 shallow 🖟 compacted 🗆 droughty 🗆 saline 🗆 alkaline 🗀 acidic 🗆 small vo	lume 🛘 disease center 🗀 history of fail
Obstructions: ☐ lights ☐ signage ☐ line-of-site ☐ view ☒ overhead lines ☐ underground utilities	☑ traffic □ adjacent veg. □
Wind (tree position): ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, ca	anopy edge area prone to windthrow
TARGET	
Use under tree: ☐ building ☐ parking 🗹 traffic 💆 pedestrian ☐ recreation ☐ landscape ☐ ha	ardscape □ small features
Can target be moved? Y	
Occupancy: occasional use medium, intermittent use frequent use	

TREE DEFECTS:				
Rate defect severity:	S severe defect, high po	tential for failure		
	M defect of moderate se	verity		
	L defect of low severity			
. =	From vertical ☐ natural	M unnatural	Soil heaving: N	
LEAN: deg. r	Y NAA Roots expos	ad: (Y) N S	oil cracking: Y	
Compounding factors:	Qual Condomin	and trunch	Lean severity:	⊗ M L
ROOT DEFECTS:	- -			
Suspect root rot:	N Mushroom/conk pi	esent: Y N I	D: Abrmed Tree	2
Exposed roots: S	M L Undetermined:	S (MY L		and the same of th
Root pruned:		rea affected: <u>5</u>	⊘ % Buttress wound	led: Y When:
	S M L Potentia	al for root failure:	s (M) L	
CROWN DEFECTS:				MAD
DEFECT	ROOT CROWN	TRUNK	BRANCHES	MAP
Poor taper	X	X		
Codominants/forks		<u> </u>		
Multiple attachments		X	X	Steiner
Included bark		<u>X</u>	X	
Cracks/Splits		¥	X	
Girdling				
Wounds			Х	D.Gath
Decay			X	The reason of th
Cavity				
Conks/Mushrooms				/ / /401
Bleeding			×	
Deadwood/stubs			X	
Borers/termites/ants		X		•
Cankers/galls				
Previous failure			X	
HAZARD RATING _			10.0.0	
Part most likely to fail	: Branches haul	Shown a her	tory of failing also	early Trunk has severe loss ing: 1 2 3 4 5 6 73 9
Failure Potential: 16	3 Size of Part:	1 2 (3) Target	: 1 2 (3) Hazard Rat	ing: 1 2 3 4 5 6 73 9
HARADD ADATEME	·			
	NT			
Prune: ☐ remove def	ective part	ight ∐ crown dean	☐ thin ☐ raise canopy ☐ d	crown reduce
Cable/Brace:	- O	Inspe	ct further: U root crown	□ decay □aeriel □ monitor
Remove tree: (Y) 1 Effect on adjacent tre	N Replace? (Y) N es: Ø none □ evalua	Move target: Y ate	Other:	
COMMENTS The	till Les a un	natural low	A 350 51 MO	e. This lean is
evide	entingle large c	need grow	eld heaving on &	the Swride of trek.
Tiel h	as had large bea	nates fail be	fore and presence	the Swride of trek, y has Muliumbrencher pruned to keep toll aw la unatural lean of 15001 pg.
that a from a	teleties & they she	w Little segn	& healing, Tues My	la unature lean of 150 or My

Request for Permission to Perform Necessary Utility Tree Maintenance

	Date:
و المراجع المر	ng safe and reliable electric service to you and your neighbors, <u>ெல்லோக்கோக்க</u> ியங்
has contracted	[Contractor] to perform professional tree pruning and removal services
We hereby request permission to perf	orm the work necessary to reduce the threat posed by trees and vegetation to the safety and
reliability of electric service.	
I/we do hereby give permission to:	☐ Prune trees for necessary clearance ☐ Remove trees ☐ Cut brush
Located on property at this address:	
I/we understand that the utility will c	over the costs associated with the performance of this work according to utility specifications.
The undersigned hereby represents th	at he/she is authorized to allow this work to proceed.
Comments:	Journ Longitud trees on Mursh East
Cornell of Brown	Hew more to be a second
Manual Ma	Occupier:
Foreperson:	Owner:
FD-14 (rev. 1/2012)	KEEP FOR YOUR RECORDS