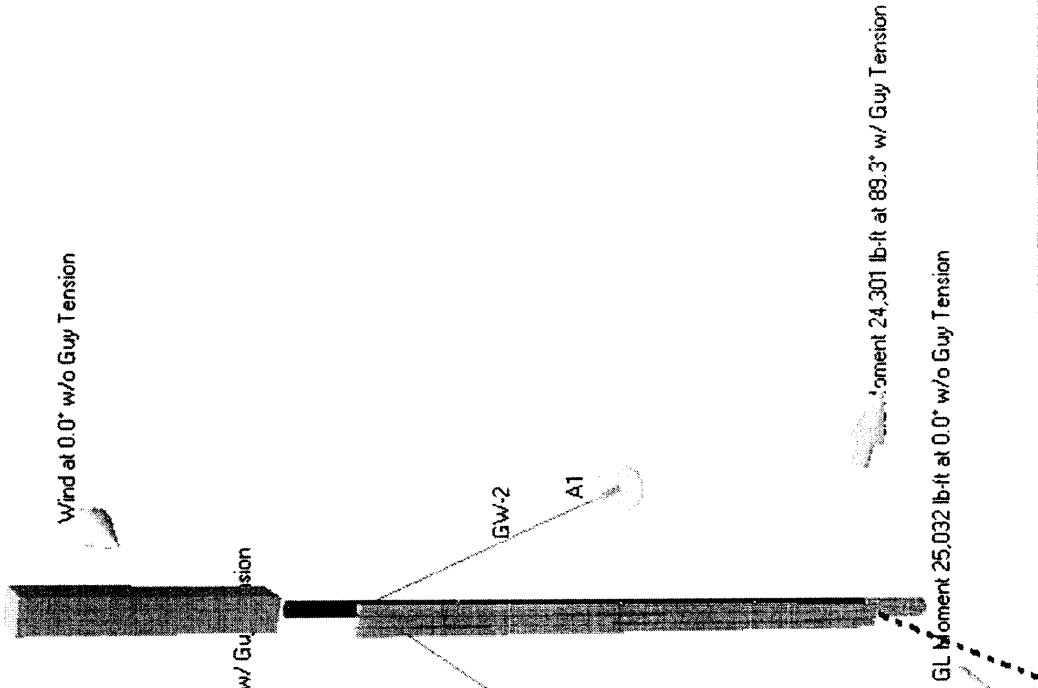


**CORRESPONDENCE
FROM 07/11/11
COUNCIL MEETING**

Group: TMO SO CAL
Pole: 66513-15 IE05372C P# 10266PBM



O-Calc[™] Version: 3.5

Wed, Apr 21, 2010 10:51 am

Osmose O-Calc™ Pole Loading Analysis Report

Licensed To:

Group ID:	TMO SOCIAL	Pole Length / Class:	45 / 1	Code:	GO 95	Structure Type:	DEADEND
Pole ID:	66513-15 IE05372C # 10266PBM	Pole Species:	DOUGLAS FIR	NESC Rule:	-	Status:	At Installation
Related To	PARENT	Setting Depth (ft):	6.00	Construction Grade:	A	Strength Factor:	0.25
Region:	Los Angeles	Groundline Circumference:	43.00	Loading District:	Light	Transverse Wind LF:	1.00
District:	PASADENA Power	Groundline Fiber Stress (psi):	8,000	Ice Radial Thickness (in):	0.00	Wire Tension LF:	1.00
Line:	588 S. Grand Ave	Fiber Stress Height Reduction:	No	Wind Speed Applied (mph):	55.90	Vertical Load LF:	1.00
Owner:	Joint	Allowable Moment at 0.0 ft:	41,957	Wind Pressure (psf):	8.00		

Maximum Capacity Utilization:	59.0%	with wind at 89.7°	at 0.0 ft	Wind w/o Guy Tension: 0.0°	Moment w/o Guy Tension 25,032 lb-ft at 0.0°
Groundline Capacity Utilization:	59.0%	with wind at 89.7°	at 0.0 ft	Wind at 89.7°	Moment w/o Guy Tension 24,324 lb-ft at 87.4°
Vertical Buckling Capacity Utilization:	4.0%	with wind at 0.0°	at 27.2 ft	Wind at 89.7°	Moment with Guy Tension 24,301 lb-ft at 89.3°
ANCHORS: ADEQUATE					
GUY WIRES: ADEQUATE					
A1) Power anc	% of Capacity	Required Tension (lb)	% of Allowable	Required Tension (lb)	% of Allowable
Manual	6%	GW2 1,085	22%	GW1 675	13%
		GW1 675	13%		180°

GROUNDLINE LOAD SUMMARY: 0.00" Ice + 55.90 mph Wind at 89.7° Residual Moment 24,301 lb-ft at 89.3° Allowable Moment 41,957 lb-ft											
Power Conductors:	0	0.0	0	0.0	0	0	0	0	0	0	0.0
Comm. Cables:	0	0.0	0	0.0	0	0	0	0	0	0	0.0
Pole:	290	28.3	5,218	21.5	12.4	249	-1,612	-11	-260	13.0	27.23
Crossarms:	0	0.0	0	0.0	0	0	0	0	0	0	0.0
Insulators:	0	0.0	0	0.0	0	0	0	0	0	0	0.0
Transformers:	0	0.0	0	0.0	0	0	0	0	0	0	0.0
Equipment:	724	70.7	18,736	77.1	44.7	893	-1,098	-7	-901	45.0	8.59
Guy Wire Loads:	10	1.0	357	1.5	0.9	17	-8	0	-17	0.9	13.69
Guy Wire Reactions:	0	0.0	-10	0.0	0.0	0	-538	-4	-3	0.2	1,600,000
Pole Residual Load:	1,023	100.0	24,301	100.0	57.9	1,158	-3,256	-22	-1,180	59.0	89,909
Pole Reserve Capacity:			17,656	42.1		842			820	41.0	3,604
LOAD SUMMARY BY OWNER											
Pole			5,218			249	-1,612	-11	-260	13.0	27.23
Communication			9,664			461	-648	-4	-465	23.3	12.48
Power			347			17	-546	-4	-20	1.0	6.79
TMOBILE			9,072			432	-450	-3	-435	21.8	8.59
Totals			24,301			1,158	-3,256	-22	-1,180	59.0	13.69

Vertical Load Summary:													
Buckling Constant:											0.70		
Buckling Column Height (ft):											27.23		
Buckling Section Height (% Col. Hgt.):											33.90		
Buckling Section Diameter (in):											12.48		
Min. Buckling Diameter at GL (in):											6.79		
Diameter at Tip (in):											8.59		
Diameter at GL (in):											13.69		
Modulus of Elasticity (psi):											1,600,000		
Buckling Load Capacity at Height (lb):											89,909		
Buckling Load Applied at Height (lb):											3,604		
Buckling Load Margin of Safety:											23.95		
Equipment:													
Owner	Attach Height (ft)	Horiz. Offset (in)	Gap to Pole (in)	Offset Angle (deg)	Incline Angle (deg)	Unit Weight (lb)	Unit Height (in)	Unit Width (in)	Unit Diameter (in)	Unit Length (in)	Shape Factor	Offset Moment (lb-ft)*	Wind Moment at Gl. (lb-ft)*
TMOBILE	45.00	0.00	-13.30	0.0	0.0	450.0	126.00	18.00	-	18.00	1.6	0	9,072
Communication	31.00	8.07	3.00	0.0	90.0	2.0	0.50	-	0.50	-	1.0	0	22
Power	31.00	13.13	7.50	0.0	0.0	4.0	1.63	1.63	-	18.00	1.6	0	7
TMOBILE	21.00	7.72	2.00	0.0	90.0	2.0	0.50	-	0.50	-	1.0	0	15
Totals	21.00	13.29	7.00	0.0	0.0	4.0	1.63	1.63	-	18.00	1.6	0	5

Printed: Wed 21-Apr-2010 10:50 AM Version: 3.5 Page 1 of 1
 * Worst Wind per Guy Wire * Includes Load Factor(s) ** not including Guy Wire Tension a Wind at 89.7°

Osmose O-Calc™ Pole Loading Analysis Report

Licensed To:

Group ID:	TMO SO CAL	Pole Length / Class:	45 / 1	Code:	GO 95	Structure Type:	DEADEND
Pole ID:	66513-15 IE05372C-P# 10268PBM	Pole Species:	DOUGLAS FIR	NESC Rule:	-	Status:	At Installation
Related To	PARENT	Setting Depth (ft):	6.00	Construction Grade:	A	Strength Factor:	0.25
Region:	Los Angeles	Groundline Circumference:	43.00	Loading District:	Light	Transverse Wind LF:	1.00
District:	PASADENA Power	Groundline Fiber Stress (psi):	8,000	Ice Radial Thickness (in):	0.00	Wire Tension LF:	1.00
Line:	588 S. Grand Ave	Fiber Stress Height Reduction:	No	Wind Speed Applied (mph):	55.90	Vertical Load LF:	1.00
Owner:	Joint	Allowable Moment at 0.0 ft:	41,957	Wind Pressure (psf):	8.00		

Equipment:	Owner	Attach Height (ft)	Horiz. Offset (in)	Gap to Pole (in)	Offset Angle (deg)	Rotate Angle (deg)	Incline Angle (deg)	Unit Weight (lb)	Unit Height (in)	Unit Width (in)	Unit Diameter (in)	Unit Length (in)	Shape Factor	Offset Moment (lb-ft)*	Wind Moment (lb-ft)*	Moment at GL (lb-ft)*
4IN SCH80 RSR 36FT W/ (6) 7/8 IN CA	Communication	18.50	19.39	11.50	18.0	0.0	0.0	208.0	432.00	4.50	-	4.50	1.6	108	3,197	3,305
4IN SCH80 RSR 36FT W/ (6) 7/8 IN CA	Communication	18.50	18.39	10.50	0.0	0.0	0.0	208.0	432.00	4.50	-	4.50	1.6	4	3,197	3,201
4IN SCH80 RSR 36FT W/ (6) 7/8 IN CA	Communication	18.50	19.39	11.50	-18.0	0.0	0.0	208.0	432.00	4.50	-	4.50	1.6	-100	3,197	3,097
1/2 IN DIA X 26 IN THRU BOLT	Communication	11.00	7.38	1.00	0.0	90.0	0.0	2.0	0.50	-	0.50	-	1.0	0	8	8
18 CHANNEL STRUT 1 5/8 12 GA PS 520 2	Communication	11.00	13.44	6.50	0.0	0.0	0.0	4.0	1.63	1.63	-	18.00	1.6	0	3	3
1/2 IN DIA X 26 IN THRU BOLT	Communication	1.00	7.03	0.00	0.0	90.0	0.0	2.0	0.50	-	0.50	-	1.0	0	1	1
18 CHANNEL STRUT 1 5/8 12 GA PS 520 2	Communication	1.00	13.59	6.00	0.0	0.0	0.0	4.0	1.63	1.63	-	18.00	1.6	0	0	0
Totals: 12 Equipment								1,098.0						13	18,723	18,736

Guy Wire Loads:	Owner	Type	Attach Height (ft)	End Height (ft)	Lead/Span Length (ft)	Wire Dia. (in)	Lead Angle (deg)	Incline Angle (deg)	Attached To	Wire Weight (lb/ft)	Wire Length (ft)	Offset Moment (lb-ft)*	Wind Moment (lb-ft)*
1) 10M STRAND (0.306)	Power	SPAN/HEAD	35.00	38.00	100.00	0.306	0.0	-1.7	A-1	0.165	100.04	0	357
2) 10M EHS STRAND (.313 - 7 WIRE)	Power	DOWN	35.00	0.00	25.00	0.306	180.0	54.9		0.165	42.79	0	0
Totals: 2 Guy Wires												0	357

Guy Wire Tension:	Type	Attach Height (ft)	Elastic Modulus (ksi)	RTS Strength (lb)	Allowable Tension (lb)	Wire Dia. (in)	Initial Tension (lb)	Required Tension (lb)	Required Tension ² (lb)	Applied Tension ¹ (lb)	Vertical Load ² (lb)	Horizontal Load ² (lb)	Transverse Moment at GL ² (lb-ft)*
1) 10M STRAND (0.306)	SPAN/HEAD	35.00	23,000	10,000	5,000	0.306	500	675	370	370	-11	370	5
2) 10M EHS STRAND (.313 - 7 WIRE)	DOWN	35.00	23,000	10,000	5,000	0.306	500	1,085	672	672	549	386	-5
Totals: 2 Guy Wires											538		0

Anchor/Rod Load Summary:	Anchor/Rod Id	Rod Type	Anchor Type	Lead Length (ft)	Lead Angle (deg)	Rod Strength (lb)	Anchor Strength (lb)	Soil Class	Required Strength ¹ (lb)	Applied Load ² (lb)	Required Capacity ¹ (%)
1) Power anc		Joslyn Copperbonded 3/4in x 9ft Twineye		25.00	180.0	26,500	N/A	N/A	1,085	672	6.1%
Totals: 1 Anchor											

PASSED

June 28, 2011

Dan Rix
City Engineer
City of Pasadena
Department of Public Works
Engineering Division
100 North Garfield Avenue
Room 336
Pasadena, CA 91101

Dear Mr. Rix,

We would like to state our opposition to the proposed wireless telecommunications facility at Grand Avenue and California Boulevard. It is in a most inappropriate location.

We are hopeful the permit will be rescinded at the July 11th hearing.

Thank you for your consideration.

Linda Seiter
John Seiter

Linda & John Seiter
534 Palmetto Drive
Pasadena, CA 91105
626-792-8010
lasonpal@aol.com

Begin forwarded message:

From: yeomans527@earthlink.net
Date: June 24, 2011 1:25:45 PM PDT
To: drix@cityofpasadena.net
Subject: Fw: Proposed Wireless at Grand & California
Reply-To: yeomans527@earthlink.net

corrected address

-----Forwarded Message-----

From: yeomans527@earthlink.net
Sent: Jun 24, 2011 1:24 PM
To: dri@cityofpasadena.net
Subject: Proposed Wireles at Grand & California

I support the wireless antenna and oppose the appeal. We need more wireless access in our beautiful Arroyo, which for wirelsss access is a ditch. I would like AT&T to be included on the antenna, as i-phones get terrible coverage in our neighborhood. I am frustrated by poor wireless signals about fives time every day. (phone, wireless radio, downloads, multiple apps). Backup emergency access is also valuable.

The plan is reasonable and unobtrusive. The lady who littered our lovely neighborhood with uninformed leaflets talking of "urban blight" cannot have seen the plan, as the overhead wires, ugly lighting and telephone pole are the ugly issue, not the antennas.

To attract successful neighbors, we need to improve our infrastructure, especially when it pays for the franchise to the city. Pasadena should remain competitive in the 21st Century, and help these companies provide crucial access.

Deny the appeal!

Bill Yeomans
527 California Terrace
Pasadena 91105

Date 7/6 Hour 10:00
To Dan

WHILE YOU WERE OUT

M Dan Levinick
of 848 S. Grand
Phone cell 626/688-8972

- Telephoned Please call
- Called to see you Will call again
- Wants to see you Returned your call

Message Re: Proposed cell antenna
at Grand. FYI, he's in favor
of it. "Reception is horrible,
at anything that can be done
to fix it is fine with me."

He said no one will ^{Signed}
STROBBO even notice the pole,
at it certainly won't be

uglier than the cable
wires & the box out
in front of his house.

From: Gretchen Brickson [mailto:jgbrickson@sbcglobal.net]
Sent: Friday, July 08, 2011 8:49 AM
To: Bogaard, Bill
Subject: Hearing Preparation: Wireless Telecommunications Facility on Grand Avenue

Mayor Bogaard,

I am a West Pasadena resident and have appealed the installation of a wireless telecommunications facility and antenna planned for the corner of Grand Avenue and California Boulevard. There was not an opportunity for adequate public involvement in the decision. I am proposing that the antenna be installed atop a sturdy street light on California Boulevard, East of Grand and on, or West of, Orange Grove.

The appeal will be heard by the City Council during the Public Hearing this Monday, July 11th at 7:30 pm. The rationale for the appeal is included in a handout and issue paper that is attached as correspondence to the Pasadena City Council agenda and staff report (item #13) on-line.

The materials have also been provided to you in hard copy through the City Clerk's office. I hope you will read the handout and issue paper prior to the hearing.

If you or your staff would like to discuss the appeal with me today (Friday) or on Monday, I may be reached during the day at (818) 774-3274.

Thank you for all you do for the City of Pasadena.

Respectfully,

Gretchen Brickson

Rix, Dan

From: J. Rupert Thompson <rupert@ionapictures.com>
Sent: 2011-07-08 10:13
To: Rix, Dan
Subject: Cell antenna 558 S. Grand

Dear Mr. Rix,

I am a resident that lives near this telephone pole and have a couple of questions:

It says on the notice that a resident had filed an appeal - is that AGAINST the installation of the antenna?

This is a t-mobile antenna but didn't they just get bought by ATT? In which case this antenna would improve service for ATT customers in the area?

Thank you.

J. Rupert Thompson
Iona Pictures
<http://ionapictures.com>

Jomsky, Mark

Subject: FW: WPRA Supports Appeal of Permit for Telecommunication Antenna at Grand Ave and California Blvd

From: Bill Urban [mailto:bill.urban@gmail.com]

Sent: 2011-07-08 15:36

To: Madison, Steve; Suzuki, Takako; Beck, Michael; Pastucha, Martin; Rix, Dan; Michael Udell; jgbrickson@sbcglobal.net; WPRA Board

Subject: WPRA Supports Appeal of Permit for Telecommunication Antenna at Grand Ave and California Blvd

Councilmember Madison,

The West Pasadena Residents' Association (WPRA) respectfully urges the City Council to consider three issues raised in Gretchen Brickson's appeal of staff decision approving a permit for a wireless telecommunication antenna at Grand Avenue and California Boulevard:

1. Require the Pasadena Department of Public Works to post accurate picture(s) of the proposed antenna installation on the City of Pasadena website for 30 days to allow public review and comment. The picture(s) should include current landscaping at the proposed site.
2. Require the Pasadena Department of Public Works to post a report on the proposed installation on the City of Pasadena website. The report should succinctly substantiate the wireless coverage gap, the rationale for selecting the proposed location, any alternatives considered, a recommended method of camouflage, and proposed precautionary distance standards. As in the first item above, allow 30 days for public review and comment.
3. Require that telecommunication antennas be installed on City-owned poles or other structures. This will allow the City to provide continuing oversight and will direct licensing fees to the City rather than other entities.

In addition, we understand that the original permits were based on two major misconceptions:

1. The installation photo provided showed the antenna on a streetlight, rather than wooden pole.
2. The City understood that the antenna would be installed on a City-owned pole, which turns out to be mistaken.

Thank you.

Bill Urban
Vice President
West Pasadena Residents' Association

Distribution:

Steve Madison, District 6 Councilmember
Takako Suzuki, Field Representative for Council District 6
Michael Beck, City Manager
Martin Pastucha, Director of Public Works
Dan Rix, City Engineer, Public Works
Michael Udell, President, WPRA
Gretchen Brickson
WPRA Board Members

From: gabriel yeung [mailto:gumdoc8@yahoo.com]
Sent: Sunday, July 10, 2011 11:44 PM
To: Madison, Steve
Subject: T-Mobile antenna on California and Grand

Dear Mr. Madison,

I just wanted to register the fact that I'm very concerned that T-Mobile may be able to place 6 foot antenna/obstruction to an already existing eye-sore/telephone pole. I live at the NorthEast corner of Ca/Grand and my backyard, pool, bedroom, all look towards that telephone pole, which is already a visual eyesore and to add a 6 foot antenna to that seems even more of visual disturbance, not only for me, but also adjacent neighbors and all of us who walk our neighborhoods.

I've already sent 2 emails to Richard Yee, but to no avail. Please forward to all involved. I will try to make the city council meeting tomorrow at 7:30p City Hall Room 249.

Thanks,

Gabriel M. Yeung

Jomsky, Mark

Subject: FW: Grand Ave/California proposed T-Mobile tower extension

-----Original Message-----

From: Taylor, James [mailto:jtaylor1947@gmail.com]

Sent: 2011-07-10 16:31

To: Rix, Dan

Subject: Grand Ave/California proposed T-Mobile tower extension

Dear Sir,

I live at 788 S Grand Ave, about two blocks from the proposed cell tower extension/addition. I strongly support immediate action on T-Mobile's request! I currently have ATT cell service and it is just horrible. As soon as that tower is operative, I will immediately switch to T-Mobile. This is what competition is all about.

Thank you.

James D. Taylor
788 S Grand Ave
Pasadena, Ca 91105

909 607-3455 (w)
626 394-9723 (c)

07/11/2011
Item #: 13

Resident Petition for Consideration by the City of Pasadena

T-Mobile is planning to install a wireless telecommunication antenna at the corner of Grand Avenue and California Boulevard (588 S. Grand Avenue) in Pasadena. The antenna will be a six-foot extension to an existing power pole immediately adjacent to the sidewalk. In order to preserve the lovely character of West Pasadena neighborhood and ensure pedestrian safety in case of an earthquake or other natural disaster, we respectfully request that the wireless telecommunication antenna be installed on a sturdy street light in a location East of Grand Avenue instead.

<u>NAME</u>	<u>ADDRESS</u>	<u>E-MAIL</u>
7/9/11 Lourdes Bloom	702 S. Grand mlbloom	mlrbloom@sbcglobal.net
Yuhui Li	690 S Grand Ave	liyuhui416@gmail.com
Haruko Fann	692 S. Grand Ave.	KO@korean.com
Jimmy Jue	575 La Loma Rd	JJUE@CENTRAL CASTING.CO
CAROL YENTH	558 S. GRAND	CUMDOC@YAHOO.COM
Karen Brandt	555 S. Grand	Karen@mlubrandt.com
Lulu Brandt	343 W. California @ S. @ lulu Brandt.com	
David Simkins	575 S. Grand Ave	dreesim@mac.com
Denise Monaghan	615 W. California Bl.	demona@mac.com
Rich Myers	607 W. California Blvd	Rich-Myers@earthlink.net
Elmo Coalt	649 S. GRAND	SALVADOR@NET2GO.COM
Sheira Adriano	701 S. Grand Ave	rmdadriano@earthlink.net
Dennard Seckels	710 S. Grand Ave.	
Yonghwan Lee	632 S. Grand Ave	
Donald Gerfin	620 S. Grand Ave	Pasadena
Laura Peraffa	600 W. California Blvd.	Pasadena, 91105
Francine Rozell	610 S. Grand Ave	laura@WSPRODUCTIONS.COM
7/10/11 M L Hutcheson	610 W. Calif. Blvd	Pasadena, Ca 91105
		MHUTCHESON@SBCGLOBAL NET

Resident Petition for Consideration by the City of Pasadena

T-Mobile is planning to install a wireless telecommunication antenna at the corner of Grand Avenue and California Boulevard (588 S. Grand Avenue) in Pasadena. The antenna will be a six-foot extension to an existing power pole immediately adjacent to the sidewalk. In order to preserve the lovely character of West Pasadena neighborhood and ensure pedestrian safety in case of an earthquake or other natural disaster, we respectfully request that the wireless telecommunication antenna be installed on a sturdy street light in a location East of Grand Avenue instead.

<u>NAME</u>	<u>ADDRESS</u>	<u>E-MAIL</u>
<u>Heather Schultz</u>	<u>620 W. CALIFORNIA ST</u>	<u>heatherschultz@aol.com</u>
<u>Katherine H. Allen</u>	<u>666 W. California Bl</u>	<u>reidkathyallan@aol.com</u>
<u>Whitela Reid Allen</u>	<u>660 W. California Blvd.</u>	<u>ReidKathyAllan@aol.com</u>
<u>DIANE F CARROLL</u>	<u>678 W. California Blvd.</u>	<u>dianecarroll3@gmail.com</u>
<u>Geoffrey Satton</u>	<u>686 W. California</u>	<u>Fanfava@yahoo.com</u>
<u>Tim Neuteld</u>	<u>696 W. California</u>	<u>Tneuteld@nmga.com</u>
<u>Jennifer Laughlin</u>	<u>700 W. California</u>	<u>jennifer.laughlin@aol.com</u>
<u>Janelle Morton</u>	<u>711 W California</u>	<u>hatboxjim@aol.com</u>
<u>Christina Wallerstein</u>	<u>667 West California</u>	<u>cwallersteindsl@extreme.com</u>
<u>Antonio Rodriguez</u>	<u>627 W California St.</u>	<u>THRODR16UFZART@DOL.COM</u>
<u>P of A</u>	<u>535 S Grand Ave</u>	
<u>Virginia T. Dell</u>	<u>530 S. Grand Ave.</u>	<u>vnell@sbcglobal</u>
<u>Charlie Kaufman</u>	<u>615 W. California Bl.</u>	<u>Seekhay@aol.com</u>
<u>Noyer Loomis</u>	<u>639 S. Grand Ave</u>	<u>rdloomis@gmail.com</u>
<u>JUSTIN DEAN</u>	<u>410 S. GRAND AVE</u>	<u>JHDYAN@PARTNER.NET</u>
<u>Katie Kelly</u>	<u>478 S. Grand Ave.</u>	<u>beekelly@charter.net</u>