



PROFESSIONAL, TECHNICAL AND EXPERT SERVICES

City of Portland, Oregon
October 27, 2006

INFORMAL REQUEST FOR PROPOSALS

for

UNWIRE PORTLAND: PROOF OF CONCEPT NETWORK TESTING

PROPOSALS DUE: November 10, 2006 **by 4:00 p.m.**

Envelope(s) shall be sealed and marked with Project Title.

Submit one (1) original and three (3) complete copies of the Proposal to:

City of Portland
Bureau of Technology Services
1120 SW Fifth Ave., Room 450
Portland, OR 97204

Refer questions to:

Logan Kleier
Phone: (503) 823-2311
Fax: (503) 823-5194 Email: logan.kleier@ci.portland.or.us

GENERAL INSTRUCTIONS AND CONDITIONS

DIVERSITY IN EMPLOYMENT AND CONTRACTING REQUIREMENTS

The City of Portland seeks to extend contracting opportunities to Minority Business Enterprises, Women Business Enterprises and Emerging Small Businesses (M/W/ESBs) in order to promote their economic growth and to provide additional competition for City contracts. Therefore, the City has established an overall 20% utilization goal in awarding PTE contracts to ESBs. No goal is set for the use of M/WBE firms, but the City is committed to ensuring that such firms receive opportunities and equal consideration to be awarded City PTE contracts.

ENVIRONMENTALLY PREFERABLE PROCUREMENT

In accordance with the City's Sustainable City Principles and the City's Sustainable Procurement Strategy, it is the policy of the City of Portland to encourage the use of products or services that help to minimize the human health and environmental impacts of City operations. Therefore, proposers are encouraged to incorporate environmentally preferable products or services into their responses wherever possible. "Environmentally preferable" means products or services that have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. This comparison may consider raw materials acquisition, production, manufacturing, packaging, distribution, reuse, operation, maintenance, or disposal of the product or service. To view the above City policies go to www.portlandonline.com and navigate to "Charter, Code & Policies Documents".

INVESTIGATION- The proposer shall make all investigations necessary to inform it regarding the service(s) to be performed under this informal request for proposal.

SPECIAL CONDITIONS- Where special conditions are written in the Informal Request for Proposal (IRFP), these special conditions shall take precedence over any conditions listed under the Professional, Technical and Expert Service "General Instructions and Conditions".

CLARIFICATION OF INFORMAL REQUEST FOR PROPOSAL-

Proposers who request a clarification of the IRFP requirements must submit questions in writing to the person(s) shown in the REFER QUESTIONS TO section on the cover of this IRFP, or present them verbally at a scheduled pre-submittal conference, if one has been scheduled. The City must receive written questions no later than the date stated herein. The City will issue a response in the form of an addendum to the IRFP if a substantive clarification is in order.

Oral instructions or information concerning the IRFP given out by Bureau or Office managers, employees or agents to prospective proposers shall not bind the City.

ADDENDUM – Any change to this IRFP shall be made by written addendum issued no later than 72 hours prior to the proposal due date. The City is not responsible for any explanation, clarification or approval made or given in any manner except by addendum.

COST OF PROPOSAL- This Informal Request for Proposal does not commit the City to pay any costs incurred by any proposer in the submission of a proposal or in making necessary studies or designs for the preparation thereof, or for procuring or contracting for the services to be furnished under the informal request for proposal.

CANCELLATION – The City reserves the right to modify, revise or cancel this IRFP. Receipt and evaluation of proposals or the completion of interviews do not obligate the City to award a contract.

LATE PROPOSALS- Proposals received after the scheduled closing time for filing will be returned to the proposer unopened.

REJECTION OF PROPOSALS- The City reserves the right to reject any or all responses to the Informal Request for Proposal if found in the City's best interest to do so. In the City's discretion, litigation between the City and a proposer shall be cause for proposal rejection, regardless of when that litigation comes to the City's attention and regardless how the consultant's proposal may have been scored. Proposals may also be rejected if they use subcontractors or subconsultants who are involved in litigation with the City. Proposers concerned about possible rejection on this basis should contact the City before submission of a proposal for a preliminary determination of whether its proposal will be rejected.

CITY OF PORTLAND BUSINESS LICENSE - Successful consultant shall obtain a current City of Portland Business License prior to initiation of contract and commencement of the work.

WORKERS COMPENSATION INSURANCE – the successful consultant shall be covered by Workers Compensation Insurance or shall provide evidence that State law does not require such coverage.

CERTIFICATION AS AN EEO AFFIRMATIVE ACTION EMPLOYER-

Proposers must be certified as Equal Employment Opportunity Affirmative Action Employers as prescribed by Chapter 3.100 of the Code of the City of Portland. The required documentation must be filed with the Bureau of Purchases, City of Portland, prior to contract execution.

CONFLICT OF INTEREST - A proposer filing a proposal thereby certifies that no officer, agent or employee of the City who has a pecuniary interest in this informal request for proposal has participated in the contract negotiations on the part of the City, that the proposal is made in good faith without fraud, collusion or connection of any kind with any other proposer of the same call for proposals, and that the proposer is competing solely in its own behalf without connection with or obligation to, any undisclosed person or firm.

CONFIDENTIALITY – All information submitted by proposers shall be public record and subject to disclosure pursuant to the Oregon Public Records Act (ORS 192.410 et seq.), except such portions of the proposals for which proposer requests exception from disclosure consistent with Oregon Law. Any portion of a proposal that the proposer claims constitutes a "trade secret" or is "confidential" must meet the requirements of ORS 192.501(2) and ORS 192.502(4).

If a request to inspect the proposal is made, the City will notify the proposer of the request. If the City refuses to release the records, the proposer agrees to provide information sufficient to sustain its position to the District Attorney of Multnomah County, who currently considers such appeals. If the District Attorney orders that the records be disclosed, the City will notify the proposer in order for the proposer to take all appropriate legal action. The proposer further agrees to hold harmless, defend and indemnify the City for all costs, expenses and attorney fees that may be imposed on the City as a result of appealing any decision regarding the proposer's records.

The Purchasing Agent has the authority to waive minor irregularities and discrepancies that will not affect the competitiveness or fairness of the solicitation and selection process.

These Professional, Technical and Expert Services Informal Request for Proposal "General Terms and Conditions" are not to be construed as exclusive remedies or as a limitation upon rights or remedies that may be or may become available under ORS Chapter 279.

PART I

CONTRACT REQUIREMENTS

1. SCOPE OF WORK

The City of Portland seeks to test the performance and reliability of the wireless network built on the standard outlined in its' previous RFP No. 104112: Unwire Portland: A Citywide Broadband Wireless System. MetroFi, a company based in Mountain View, CA, won the bidding to construct this network for the City of Portland.

The City of Portland, Bureau of Technology Services is seeking proposals from 3 individuals, firms, teams or consultants, hereafter called "Proposer(s)", with demonstrated experience in testing the performance of IEEE 802.11 networks. The Bureau of Technology Services proposes to engage the successful Proposer for the following services: testing and evaluation of MetroFi's 802.11 network for various performance characteristics including throughput, availability, and security.

The successful Proposer shall be expected to enter into a not-to-exceed Professional, Technical, and Expert Services Contract with the City. A sample of the City's standard contract can be viewed at:

<http://www.portlandonline.com/shared/cfm/image.cfm?id=27068>.

2. TECHNICAL OR REQUIRED SERVICES

The City of Portland requires Proposers to evaluate and report to the City regarding various aspects of MetroFi's newly constructed 802.11 network. This network is designed to accept either 802.11b or g connections. This evaluation shall take place in a Proof of Concept (POC) area. The geographic boundaries of the POC include parts of downtown, east Portland, and the Lloyd District. This area is further defined in Appendix I. As described in the City of Portland's RFP No. 104112, the POC is required to demonstrate the viability of the wireless network and its compliance with the RFP requirements.

The City requires Proposers to evaluate three areas of network performance:

I. Throughput

A. The availability of 1 Mbps downstream/256 Kbps upstream connection in a stationery position

B. The maximum number of supported 1 Mbps downstream/256 Kbps upstream connections for a single 802.11 access point.

II. Availability

A. The network's ability to provide a connection (64 Kbps upstream and downstream) 99% of time. This equates to approximately 713 of 720 hours per month in a 30 day month.

B. The network's ability to deliver packets between an end user device and the MetroFi Point of Presence (POP) in less than or equal to 100 milliseconds.

C. The network's ability to deliver at least one full speed connection (1Mbps downstream/256 upstream) at a distance of up to 250 feet from an access point.

D. The network's ability to provide a connection to at least 90% of the outdoor POC area.

III. Security

A. The network's ability to support 802.11i

B. Multiple SSIDs, including non-broadcast SSIDs

Proposers shall also evaluate and report on the ability of MetroFi's network to meet the performance requirements within the Throughput and Availability categories listed above

both without a signal booster and with MetroFi's recommended signal boosters:

- 1) Hawking HWU54D USB adapter
- 2) Buffalo WLI-TX4-G54HP Airstation High Power Wireless Ethernet Converter.

Proposer shall utilize these boosters to evaluate the network's performance from a distance of 250-450 feet from an access point. The City encourages Proposer to conduct additional testing with these boosters at distances in excess of 450 feet in order to better understand the outer limits of the network's performance.

3. WORK PERFORMED BY THE CITY

The City has assigned a project manager to oversee the successful Proposer's work and provide support as needed. Specific duties the City will perform include:

- Providing Proposers with up-to-date and detailed POC map that includes the locations of MetroFi access points.

4. DELIVERABLES AND SCHEDULE

Deliverables shall be considered those tangible resulting work products that are to be delivered to the Bureau of Technology Services such as reports, draft documents, data, interim findings, drawings, schematics, training, meeting presentations, final drawings and reports. The successful Proposer is encouraged to provide any deliverables in accordance with the City's Sustainable Paper Use Policy. The policy can be viewed at: <http://www.portlandonline.com/omf/index.cfm?c=37732> .

Deliverables and schedule for this project shall include:

a. A preliminary status report on the testing completed by January 15th, to review initial results on the ability of MetroFi's POC network to meet the performance criteria listed Section 2 and any issues with testing methodology.

b. A final report on the ability of MetroFi's POC network to meet the performance criteria listed Section 2. This report should illustrate whether MetroFi's POC network as a whole exceeds, meets, or does not meet the performance criteria. As an additional level of detail, Proposers' evaluation and report should include a graphic representation of the coverage areas that exceed, meet, or do not meet the performance criteria. This graphic representation should allow the City to identify on a block by block basis where performance issues may have arisen. Additionally, Proposers should provide a list of causes or possible causes for those cases where MetroFi's POC network does not meet the performance criteria. The report shall be provided to the City in electronic (Microsoft Word 2002) format.

b. A report that describes the methodology used to conduct the evaluation. This methodology shall include the equipment used, times, and locations tested.

c. The report shall be provided to the Bureau of Technology Services in completed form within two weeks of completed testing.

All deliverables and resulting work products from this contract will become the property of the City of Portland.

5. PERIOD OF PERFORMANCE

The City anticipates having the successful Proposer begin work December 18, 2006, with submittal of final deliverables to the City occurring by February 16, 2006.

6. PUBLIC SAFETY

Public safety may require limiting access to public work sites, public facilities, and public offices, sometimes without advance notice. The Proposer shall anticipate delays in such places and include the cost of delay in the proposed cost. The successful Proposer's employees and agents shall carry sufficient identification to show by whom they are employed and display it upon request to security personnel. City project managers have discretion to require the successful Proposer's employees and agents to be escorted to and from any public office, facility or work site if national or local security appears to require it.

7. INSURANCE

The successful Proposer(s) shall agree to maintain continuous, uninterrupted coverage of all insurance as required by the City. There shall be no cancellation, material change, reduction of limits or intent not to renew the insurance coverage(s) without a 30-day written notice from the successful Proposer or its insurer(s) to the City.

Workers Compensation Insurance in compliance with ORS 656.017, which requires subject employers to provide Oregon workers' compensation coverage for all their subject workers (firms with one or more employees, unless exempt under ORS 656.027).

General Liability Insurance with a combined single limit of not less than \$500,000 each occurrence for Bodily Injury and Property Damage. It shall include contractual liability coverage for the indemnity provided under this contract, and shall provide that the City of Portland, and its agents, officers, and employees are Additional Insureds but only with respect to the successful Proposer's services to be provided under this Contract.

Automobile Liability Insurance with a combined single limit of not less than \$500,000 each occurrence for Bodily Injury and Property Damage, including coverage for owned, hired, or non-owned vehicles, as applicable.

Professional Liability Insurance with a combined single limit of not less than \$1,000,000 each claim, incident, or occurrence. This is to cover damages caused by negligent acts, errors or omissions related to the professional services to be provided under this contract.

Certificates of Insurance: As evidence of the insurance coverages, the successful Proposer shall furnish acceptable insurance certificates to the City at the time signed contracts are returned to the City. The certificate will specify all of the parties who are Additional Insureds and will include the 30-day cancellation clause as identified above. Insuring companies or entities are subject to City acceptance. If requested, complete policy copies shall be provided to the City. The successful Proposer shall be financially responsible for all pertinent deductibles, self-insured retentions, and/or self-insurance.

PART II

PROPOSAL PREPARATION AND SUBMITTAL

SECTION A

PRE-SUBMITTAL MEETING/CLARIFICATION

1. PRE-SUBMITTAL MEETING

There will be no pre-submittal meeting or site visit scheduled for this project.

2. PROPOSAL CLARIFICATION

Questions and requests for clarification regarding this Informal Request for Proposal (IRFP) must be directed in writing, via email or fax, to the person listed below. **The deadline for submitting such questions/clarifications is November 2nd, 2006.** An addendum will be issued no later than 72 hours prior to the proposal due date, to all recorded holders of the IRFP if a substantive clarification is in order.

Logan Kleier
Bureau of Technology Services E-mail: logan.kleier@ci.portland.or.us
1120 SW 5th Avenue Room 450 Phone: (503) 823-2311
Portland, Oregon 97204 Fax: (503) 823-5194

SECTION B

PROPOSAL SUBMISSION

1. PROPOSALS DUE

Proposals must be received no later than the date and time, and at the location, specified on the cover of this solicitation, and shall plainly identify the subject of the proposal and the name and address of the Proposer. Responses received after time or date listed herein shall not be considered. Proposals received after the scheduled closing time for filing will be returned to the Proposer.

2. PROPOSAL

Proposals must be clear, succinct and not to exceed 15 pages. Proposers who submit more than the pages indicated may not have the additional pages of the proposal read or considered.

For purposes of review and in the interest of the City's Sustainable Paper Use Policy and sustainable business practices in general, the City encourages the use of submittal materials (i.e. paper, dividers, binders, brochures, etc.) that contain post-consumer recycled content and are readily recyclable. The City discourages the use of materials that cannot be readily recycled such as PVC (vinyl) binders, spiral bindings, and plastic or glossy covers or dividers. Alternative bindings such as reusable/recyclable binding posts, reusable binder clips or binder rings, and recyclable cardboard/paperboard binders are examples of preferable submittal materials. Proposers are encouraged to print/copy on both sides of a single sheet of paper wherever applicable; if sheets are printed on both sides, it is considered to be two pages. Color is acceptable, but content should not be lost by black-and-white printing or copying.

All submittals will be evaluated on the completeness and quality of the content. Only those Proposers providing complete information as required will be considered for evaluation. The ability to follow these instructions demonstrates attention to detail.

3. ORGANIZATION OF RESPONSE

Proposers must provide all information as requested in this Informal Request for Proposal (IRFP). Responses must follow the format outlined in this IRFP. Additional materials in other formats, or pages beyond the stated page limit(s) may not be considered. The City may reject as non-responsive at its sole discretion any proposal or any part thereof that is incomplete, inadequate in its response, or departs in any substantive way from the required format. Proposal responses shall be organized in the following manner:

- a. Cover Letter (1 page)
- b. Experience and Capabilities (5 pages)
- c. Diversity in Employment and Contracting Requirements (3 page)

- d. Proposed Cost (3 pages)

SECTION C

EVALUATION CRITERIA

1. COVER LETTER

By submitting a response, the Proposer is accepting the General Instructions and Conditions of this Informal Request for Proposal (reference second page of the IRFP).

The Cover Letter must include the following:

- RFP number and project title
- name(s) of the person(s) authorized to represent the Proposer in any negotiations
- name(s) of the person(s) authorized to sign any contract that may result
- contact person's name, mailing or street addresses, phone and fax numbers and email addresses

A legal representative of the Proposer, authorized to bind the Proposer in contractual matters must sign the Cover Letter.

Prior to contracting the successful Proposer must have a City of Portland Business License and be certified as an Equal Employment Opportunity (EEO) employer. If your firm currently has a business license and is EEO certified, include your firm's City of Portland Business License number as well as the Equal Employment Opportunity (EEO) expiration date.

2. EXPERIENCE AND CAPABILITIES

The Proposer shall provide information relating to the firm's experience, capabilities and resources in relation to the project and should describe such things as:

- Experience with similar projects
- Key personnel's qualifications and relevant experience on similar or related projects
- Resources available
- Internal procedures and/or policies relating to work quality, cost control and organizational management

3. DIVERSITY IN EMPLOYMENT AND CONTRACTING REQUIREMENTS

The City is committed to increasing contracting opportunities for State of Oregon certified minority, women and emerging small business (M/W/ESB) enterprises. The City values, supports and nurtures diversity, and encourages any firm contracting with the City to do the same, maximizing M/W/ESB business participation with regard to all City contracts. As such, the City has established an overall 20% utilization goal in awarding PTE contracts to State of Oregon certified emerging small business (ESB) enterprises and has assigned at least 15% of the total points available on this solicitation to determine the award of this contract. No goal is set for the use of minority (MBE) and women business (WBE) enterprises, but the City is committed to ensuring that such firms receive opportunities and equal consideration to be awarded City PTE contracts.

All Proposers shall address the following in their proposals:

- a. Indicate if your firm is currently certified in the State of Oregon as an MBE, WBE and/or ESB, or if your firm has applied for certification with the State of Oregon's Office of Minority, Women and Emerging Small Business (OMWESB).
- b. Identify your current diversity of workforce and describe your firm's commitments to providing equal employment opportunities. Include in your response:
 - Number of total employees and description of type of work performed.
 - Number of minorities and women within your current workforce, broken out by ethnicity and positions held.
 - Any underutilization of minorities or women within your workforce and your firm's efforts to remedy such underutilization.
 - Any plans to provide innovative mentoring, technical training or professional development opportunities to minorities and women in your workforce in relation to this project, or plans to employ minorities and women to work on this project.
 - Description of the process your firm uses to recruit minorities and women.
- c. Have you subcontracted or partnered with State of Oregon certified M/W/ESB firms on any project within the last 12 months? If so, please describe the history of the firm's subcontracting and partnering with certified M/W/ESB firms. Include in your response:
 - List of State of Oregon certified M/W/ESB firms with which your firm has had a contractual relationship during the last 12 months.
 - Any innovative or successful measures that your firm has undertaken to work with M/W/ESB firms on previous projects.
- d. Are you subcontracting any element of your proposal? Describe your firm's plan for obtaining maximum utilization of certified M/W/ESB firms on this project. Include in your response:
 - Subcontracting opportunities your firm has identified in the scope of this project.
 - Efforts made relating to outreach and recruitment of certified M/W/ESB firms. Did your firm use the State's OMWESB certification list, or other source, as a basis for direct outreach? What were the actual results of any of the above efforts?
 - Other efforts your firm used or proposes to use in relation to this project.
- e. If your firm will be utilizing certified M/W/ESB firms on this project, please list those firms and detail their role within your proposal.

The City expects thoughtful consideration of all of the above Diversity in Employment and Contracting criteria in the preparation of proposals, and will enforce all diversity in workforce and M/W/ESB commitments submitted by the successful Proposer.

4. PROPOSED COST

The proposal shall include the Proposer's true estimated cost or fixed-price estimate for the proposed project approach irrespective of the City's anticipated cost. Additionally, this cost proposal shall, for evaluation purposes, include the hourly rates of each person associated with the project as well as the estimated number of hours each staff member will be expected to work on each task.

PART III

PROPOSAL EVALUATION

SECTION A

PROPOSAL REVIEW AND SELECTION

1. EVALUATION CRITERIA SCORING

Each proposal shall be evaluated on the following evaluation criteria, weighting and maximum points, as follows:

Criteria		Maximum Score
a.	Cover Letter	0
b.	Experience and Capabilities	45
c.	Diversity in Employment and Contracting	15
d.	Proposed Cost	40
Total Points Available		100

2. PROPOSAL REVIEW

An evaluation review committee will be appointed to evaluate the proposals received. For the purpose of scoring proposals each of the committee members will evaluate each proposal in accordance with the criteria and point factors listed above. The evaluation committee may seek outside expertise, including but not limited to input from technical advisors, to assist in evaluating proposals.

The successful Proposer shall be selected by the following process:

- a. An evaluation committee will be appointed to evaluate submitted proposals.
- b. The committee will score the proposals based on the information submitted according to the evaluation criteria and point factors.
- c. The committee will require a minimum of 5 working days to evaluate and score the proposals.
- d. A short list of Proposers, based on the highest scores, may be selected for oral interviews if deemed necessary. The City reserves the right to increase or decrease the number of Proposers on the short list depending on the scoring and whether the Proposers have a reasonable chance of being awarded a contract.
- e. If oral interviews are determined to be necessary, the initial scoring will be considered preliminary. Final scores, based on the same evaluation criteria, will be determined following the interviews.
- f. Negotiations will follow with the highest scoring Proposer, and if successful, the highest scoring Proposer and City will enter into a professional services contract for the work.

The City has the right to reject any or all proposals for good cause, in the public interest.

NOTE: In the City's discretion, litigation between the City and a Proposer shall be cause for proposal rejection, regardless of when that litigation comes to the City's attention and regardless how the Proposer's proposal may have been scored. Proposals may also be rejected if they use subcontractors or subconsultants who are involved in litigation with the City. Proposers concerned about possible rejection on this basis should contact the City before submission of a proposal for a preliminary determination of whether its proposal will be rejected.

3. CLARIFYING PROPOSAL DURING EVALUATION

During the evaluation process, the City has the right to require any clarification or change its needs in order to understand the Proposer's view and approach to the project and scope of the work.

SECTION B

CONTRACT AWARD

1. CONSULTANT SELECTION

The City will award a contract to the highest scoring Proposer. Should the City not reach a favorable agreement with the highest scoring Proposer, the City shall terminate negotiations and commence negotiations with the second highest scoring Proposer and so on until a favorable agreement is reached. A consultant selection process will be carried out under Portland City Code Chapter 5.68.

2. CONTRACT DEVELOPMENT

The proposal and all responses provided by the successful Proposer may become a part of the final contract. The form of contract shall be the City's Contract for PTE Services.

3. REVIEW

Following the Notice of Intent to Award, the public may view proposal documents. However, any proprietary information so designated by the Proposer as a trade secret and meeting the requirements of ORS 192.501(2) will not be disclosed unless the Multnomah County District Attorney determines that disclosure is required. At this time, Proposers not awarded the contract may seek additional clarification or debriefing, request time to review the selection procedures or discuss the scoring methods utilized by the evaluation committee.

Appendix I: LOCATIONS OF METROFI ACCESS POINTS WITHIN THE PROOF OF CONCEPT

This is the most current list of MetroFi access points to be installed for the proof of concept network territory.

STREET	CROSS STREET	LATITUDE	LONGITUDE
NE 20th	NE Flanders St	45.52534	-122.64555
NE Couch	NE 9th	45.52357	-122.65675
NE Couch	NE 24th	45.52376	-122.64118
NE Davis	NE Sandy	45.52428	-122.65064
NE Glisan	NE 17th	45.52661	-122.64848
NE Glisan	NE 28th	45.52632	-122.63731
NE Glisan	NE 24th	45.52651	-122.64135
SE 12th	SE Ankeny	45.52207	-122.65363
SE 13 th	SE Oak	45.5201	-122.65279
SE 14th	SE Main	45.51362	-122.65168
SE 17th	SE Salmon	45.51425	-122.64864
SE 17th	SE Alder	45.51799	-122.64864
SE 20th	SE Stark	45.51925	-122.64544
SE 20th	E Burnside	45.52236	-122.64562
SE 20th	SE Main	45.5136	-122.64561
SE 23rd	SE Taylor	45.51501	-122.64258
SE 24th	SE Pine	45.5205	-122.64136
SE 26th	Se Main	45.51351	-122.63921
SE 26th	SE Washington	45.51853	-122.63931
SE Ankeny	SE 26th	45.52203	-122.63884
SE Ankeny	SE 7th	45.52216	-122.65864
SE Hawthorne	SE 16th	45.51225	-122.64916
SE Hawthorne	SE 23rd	45.51199	-122.64256
SE Main	SE 6th	45.51363	-122.6597
SE Stark	SE Sandy	45.51939	-122.65818
SE Taylor	SE 10th	45.51497	-122.65577
SE Water	SE Belmont	45.51676	-122.66586
SE Water	SE Main	45.5136	-122.66594
SE Yamhill	SE 26th	45.51562	-122.63931
NE Irving	NE 20th	45.52782	-122.64542
NE Multnomah	NE 9th	45.53157	-122.656
SE Hawthorne	SE 10th	45.51231	-122.65585
SE Sandy	NA	45.52078	-122.65661
SE Belmont	SE 20th	45.51652	-122.64527
SE Belmont	SE 7th	45.51653	-122.65851
NE 13th	NE Holladay	45.53017	-122.65244
NE 15th	NE Halsey	45.53548	-122.65054
NE Couch	NE MLK Blvd.	45.52372	-122.66193
NE Grand	NE Multnomah	45.53172	-122.66057
NE Grand	NE Weidler	45.53444	-122.66072
NE Holladay	NE 7th	45.52989	-122.6584
NE Holladay	NE 3rd	45.52996	-122.66266
NE Weidler	NE 10th	45.53428	-122.65543
NE Grand	NE Oregon	45.52878	-122.66078
NE Multnomah	NE 16th	45.53144	-122.64929
SE MLK Blvd	SE Stark	45.51929	-122.66171
SE Taylor	SE MLK BLVD	45.51505	-122.66202

SW Broadway	SW Oak	45.5219	-122.678
SW Broadway	SW Washington	45.5205	-122.679
SW Broadway	SW Morrison	45.5192	-122.68
SW Taylor	SW Broadway	45.5181	-122.681
SW Madison	SW Broadway	45.5161	-122.681
SW Broadway	SW Clay	45.514	-122.682
SW Taylor	SW 10th	45.5187	-122.683
SW Alder	SW 10th	45.5205	-122.682
SW Stark	SW 10th	45.5222	-122.681
SW 11th	SW Washington	45.5215	-122.683
SW 11th	SW Yamhill	45.5195	-122.684
SW 3rd	SW Washington	45.5195	-122.675
SW 3rd	SW Taylor	45.5168	-122.676
SW Pine	SW 3rd	45.5214	-122.674
SW Pine	SW 5th	45.5222	-122.676
SW 4th	SW Oak	45.5213	-122.675
SW 4th	SW Morrison	45.5187	-122.676
SW 3rd	SW Jefferson	45.5142	-122.678
SW Market	SW 3rd	45.5123	-122.679
W Burnside	SW 13th	45.5228	-122.684