TOWN OF ARLINGTON MASSACHUSETTS

REQUEST FOR PROPOSAL

The Town of Arlington is seeking proposals from qualified individuals and firms for professional services for the following:

BID #13-30 DEVELOPMENT OF PARKING MANAGEMENT PLAN/ARLINGTON CENTER

The Town of Arlington, acting thru the Town Manager seeks proposals from a qualified individual or firm to analyze parking supply, demand, location and pricing in Arlington Center and to develop a Parking Management Plan with specific strategies to alleviate real and perceived parking problems in the Arlington Center commercial district.

Proposals are invited and will be received by the Town Manager, Town of Arlington, Massachusetts on or before <u>2:00 P.M. Tuesday September 24, 2013</u> at the Town Manager's Office/Purchasing Department, Town Hall Annex, 730 Massachusetts Avenue, Arlington MA 02476-4908.

Five (5) copies of technical proposal shall be submitted in a sealed envelope marked "<u>Bid</u> #13-30 Development of a <u>Parking Management Plan for Arlington Center - Technical Proposal</u>" and one (1) copy of the price proposal in a sealed envelope marked "<u>Bid #13-30 Development of a Parking Management Plan for Arlington Center - Price Proposal</u>"

Proposals delivered after the appointed time and date will not be considered.

Contact Domenic R. Lanzillotti, Purchasing Officer at 781-316-3003 or email at dlanzillotti@town.arlington.ma.us for Proposal Documents.

Bid Documents available for viewing and downloading on Town website: www.arlingtonma.gov/purchasing

The Town Manager reserves the right to cancel any request for proposals, to reject in whole or in part any and all proposals when it is deemed in the best interest of the Town of Arlington to do so.

TOWN OF ARLINGTON Adam W. Chapdelaine Town Manager

August 23, 2013

Town of Arlington Department of Planning and Community Development

REQUEST FOR PROPOSALS

DEVELOPMENT

OF A

PARKING MANAGEMENT PLAN

FOR

ARLINGTON CENTER

August 22, 2013

The Town of Arlington seeks a qualified individual or firm to analyze parking supply, demand, location, and pricing in Arlington Center and to develop a Parking Management Plan with specific strategies to alleviate real and perceived parking problems in the Arlington Center commercial district.

<u>BACKGROUND</u>

Arlington Center is one of three main commercial centers in the Town of Arlington. Mass. Ave. is a major vehicular thoroughfare that runs the length of Arlington, and runs through Arlington Center. Other major bisecting streets are: Pleasant Street and Mystic Street (Route 60), and Medford Street. Commercial uses include the Regent Theater, a number of restaurants, retail shops and offices. Arlington Center also includes both residential and civic uses. Within the extended borders of Arlington Center are the Town Hall, the Town's main library, a fire station, the Senior Center, US Post Office, three churches, and two parochial schools. Residential uses include elderly public housing, a new, market rate, residential rental development of about 150 units, and a small number of second story residential units over commercial uses. It is a transportation hub, where 6 bus routes come together. The Minuteman Bikeway cuts through the Center. Mass. Ave. and Arlington Center must accommodate transit users, pedestrians and bicyclists as well as vehicles.

The common perception in town is that a parking shortage exists in Arlington Center. However, there is some evidence that the condition could be improved with better parking management, and more efficient use of both on street and off street parking. Arlington Center has a total of 500 parking spaces in publicly owned on street and off street spaces.

• The Russell Common Parking Lot has 234 spaces. About half are metered and the other half are reserved for permit users. The primary permit holders are affiliated with Arlington Catholic High School. Other permit holders include local employers. The metered price is

Town of Arlington August 23, 2013

Request for Proposals Arlington Center Parking Management Plan

\$.50 per hour. The meters are not well maintained and are a source of frustration for parkers. This is also the site of the Farmers Market, one afternoon a week from late June through October.

- The Railroad Avenue Lot has 41 spaces, also metered, and in the same condition.
- A third lot, with about 12 spaces in a more remote location off of Mill Street is underutilized.
- There are about 160 on street spaces in the Study Area. These spaces are unmetered. Most have a one hour time limit, but the time limits range from 15 minutes to two hours, and some are unrestricted.

An additional issue that has an impact on parking is the presence of two schools on Medford Street with associated parking needs. One is an elementary school, and the other a small high school where both students and staff need parking. Many get parking permits but others park for free in residential neighborhoods.

Project Area

For the purposes of this study, Arlington Center is defined as the area roughly bounded by Academy Street to the west, Franklin Street to the east, Chestnut Street to the north, and Maple Street to the south. See attachment 1, Proposed Parking Study Area, for exact boundaries.

PROJECT GOALS

- 1. Parking Goals for Arlington Center
 - a) Manage existing parking better for various users, including customers and employees.
 - b) Support businesses, institutions, customers and other users in the Center.
 - c) Reduce parking demand where possible.

SCOPE OF WORK

- a) **Data Collection**. In November, 2012, a Working Group of the Town's Transportation Advisory Committee (TAC WG) hired Precision Data Industries to collect data on parking occupancy and turnover in Arlington Center. Data was collected for public parking, both on street and in Town owned parking lots, and in 2 privately owned lots. It was collected on a Thursday and a Saturday between 8 am and 8 pm. The parking data and the associated report to the Board of Selectmen are attached at attachments 2 and 3. The consultant will collect any additional spot data as needed to verify previous data, and to help understand existing parking use in Arlington Center, and real parking demand for weekday and weekend use.
- b) Outreach and Meetings.
 - i. Meet up to 5 times with Arlington Center Parking Study Working Group.
 - ii. Conduct one public meeting with businesses and residents to understand Town concerns about parking.
 - iii. Present draft Parking Management Plan at one public meeting.
 - iv. Present final Parking Management Plan to Board of Selectmen.
- c) **Draft Parking Management Plan** that meets the Goals stated above and incorporates views of the users. Plan should discuss adequacy of existing supply and measures to best

Town of Arlington August 23, 2013

Request for Proposals Arlington Center Parking Management Plan

meet demand for parking. Plan should consider various strategies including but not limited to the following:

- appropriate parking pricing
- use of parking meters, kiosks, etc.
- appropriate parking time limits
- expansion of supply through structured parking, shared parking of private lots, or other means
- reduction of demand through improving bike and pedestrian access, encouraging transit, real time parking availability information, park once strategy, or other means

Plan shall also make recommendations to the Town on number and location of handicapped parking spaces and taxi stands.

Plan should include recommendations for implementation, including projected revenue and costs with a goal of revenue neutrality at a minimum, and a recommendation for appropriate equipment.

d) Final Parking Management Plan, following presentation to the public and incorporating comments as appropriate.

TIMELINE AND COSTS

The selected firm/individual should be prepared to begin the project no later than November 1, 2013 and all work completed by February 28, 2014.

Total costs for the project are not to exceed \$25,000. Price should include 20 hard copies of final plan and 1 electronic copy (as a word document) to the Department of Planning and Community Development.

EVALUATION CRITERIA

1. Knowledge of downtown development and revitalization evidenced by a degree in planning or public administration and work related experience.

Highly Advantageous:

Advanced degree and a minimum of five years related experience.

Advantageous:

A degree and three to four years experience. A degree and less than three years experience

Not advantageous: Unacceptable:

No degree and less than three years experience.

2. Familiarity with retail parking needs and current parking management strategies.

Highly Advantageous:

A combination of six or more years experience with similar

projects.

Advantageous:

A combination of three to five years experience with similar

projects.

Not Advantageous:

Less than three years experience with similar projects.

Unacceptable: No experience with similar projects.

3. Ability and knowledge to serve as a resource to the Town as evidenced by direct involvement in projects utilizing parking management strategies, such as park once, parking pricing, projects utilizing public-private ventures, or innovative parking practices.

Highly Advantageous:

Substantial involvement in five or more such projects.

Advantageous:

Substantial involvement in less than three such projects.

Town of Arlington August 23, 2013

Request for Proposals

Arlington Center Parking Management Plan

Not Advantageous:

Involvement in at least two such projects.

Unacceptable:

No demonstrated experience in such projects.

4. Ability to work in coordination with Town residents, businesses, boards, officials and public agencies.

Highly Advantageous:

Provides five or more recent examples demonstrating experience

and ability to work effectively with above groups.

Advantageous:

Provides two to three examples demonstrating experience and

ability to work effectively with above groups.

Not Advantageous:

Demonstrates minimal experience and ability to work effectively

with above groups.

Unacceptable:

Past experience and/or demeanor indicate ineffective ability to

work with above groups.

PROPOSALS

To be considered, proposals should be no longer than 20 pages, and should include the following:

- 1. Name and address of firm/individual responding to RFP.
- 2. A narrative including qualifications of firm/individual.
- 3. Staffing Plan and Methodology for development of the Plan.
- 4. Identification and resume of project manager.
- 5. Proposed timeline.
- 6. Evidence of insurance coverage, including general and professional liability and worker's compensation insurance.
- 7. A separate price proposal in a sealed envelope.

The RFP is available at the Town Managers Office/Purchasing Dept., Arlington Town Hall Annex, 730 Mass. Ave., Arlington, MA 02476, or by calling 781 316-3003.

Questions and/or comments may be submitted to Laura Wiener via phone or email as noted below.

Email: lwiener@town.arlington.ma.us

Phone: 781 316-3090

Proposals are due by 2:00 PM on Tuesday September 24, 2013. Please submit 5 copies of Technical Proposal and 1 copy of Price Proposal. Proposals should be submitted to:

Dominic Lanzillotti, Purchasing Agent

Office of the Town Manager

Arlington Town Hall

730 Mass. Ave.

Arlington, MA 02476

Attachment 1. Proposed Parking Study Area

Attachment 2. Parking Data

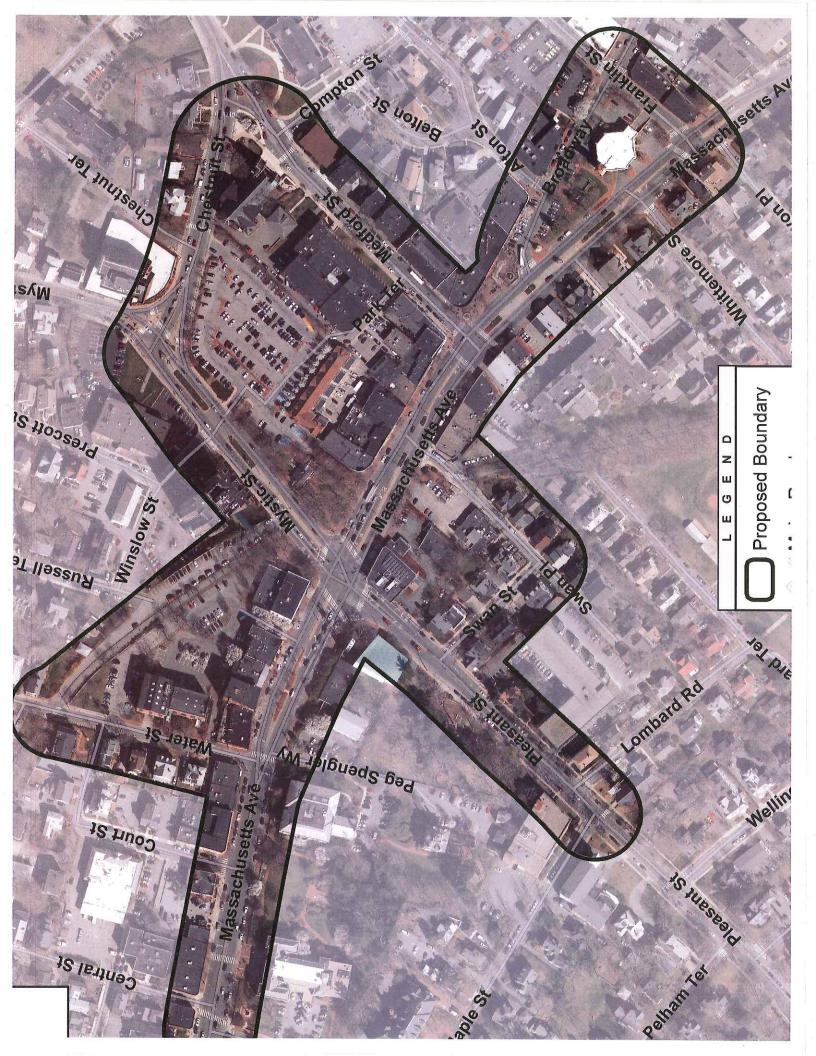
Attachment 3. Memo to Board of Selectmen

CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

| (Signature of individual submitting b | oid or proposal) |
|---|---|
| (Name of individual submitting bid o | or proposal) |
| Name of Business | |
| Date | |
| perjury that I have complied with a | Section 49A, I certify under the penalties of Il laws of the commonwealth relating to taxes, ractors, and withholding and remitting child |
| Social Security Number or Federal Identification Number | Signature of Individual or Responsible |

NON-COLLUSION FORMS MUST BE SIGNED AND SUBMITTED WITH BID





Arlington Center Occupancy Study Lots 8am-8pm

Date:

11/15/2012

RO, 80x 301 Berlin, MA 01503 Office: 508.481.3999 Fax: 508.545.1234 Email: datarequests@pdillc.com

| Time: | Russ | ell Common | Lot | | Railroad Lot | | Winslo | w Street | Russell | Terrace | Library Lot | |
|----------|---------|------------|--------|---------|--------------|------|---------|----------|---------|----------|-------------|----------|
| | Regular | Handicap | Permit | Regular | Handicap | Bank | Regular | Handicap | Regular | Handicap | Regular | Handicap |
| 8:00 AM | 13 | 0 | 68 | 10 | 0 | 3 | 3 | 0 | 1 | 0 | 18 | 0 |
| 9:00 AM | 24 | 0 | 72 | 16 | 1 | 12 | 5 | 0 | 2 | 0 | 43 | 0 |
| 10:00 AM | 31 | 0 | 89 | 20 | 0 | 17 | 10 | 0 | 2 | 0 | 46 | 1 |
| 11:00 AM | 35 | 0 | 93 | 23 | 1 | 21 | 10 | 0 | 7 | 0 | 47 | 0 |
| 12:00 PM | 33 | 0 | 100 | 30 | 0 | 15 | 6 | 0 | 7 | 0 | 45 | 0 |
| 1:00 PM | 36 | 0 | 96 | 40 | 1 | 19 | 6 | 0 | 6 | 0 | 57 | 0 |
| 2:00 PM | 41 | 0 | 95 | 33 | 2 | 21 | 7 | 0 | 6 | 0 | 56 | 0 |
| 3:00 PM | 36 | 0 | 81 | 30 | ō | 14 | 4 | 0 | 4 | 0 | 58 | 0 |
| 4:00 PM | 31 | 1 | 55 | 40 | 0 | 17 | 3 | 0 | 4 | 0 | 67 | 2 |
| 5:00 PM | 58 | 1 | 72 | 42 | 1 | 26 | 3 | 0 | 3 | 0 | 62 | 1 |
| 6:00 PM | 61 | 1 | 139 | 41 | 0 | 25 | 4 | 0 | 2 | 0 | 60 | 1 |
| 7:00 PM | 66 | 2 | 135 | 56 | 1 | 35 | 9 | 0 | 2 | 0 | 63 | 1 |

Arlington Center Occupancy Study Lots 8am-8pm

Date: 11/15/2012

| Time: | Swan | Street | E Cambr | idge Bank | Jami | n Java | Broadway (Fra | nklin to Webster |
|----------|---------|----------|---------|-----------|---------|----------|---------------|------------------|
| | Regular | Handicap | Regular | Handicap | Regular | Handicap | Regular | Handlcap |
| 8:00 AM | 6 | 0 | 2 | 0 | 8 | 0 | 0 | 0 |
| 9:00 AM | 8 | 0 | 8 | 0 | 16 | 0 | 6 | 1 |
| 10:00 AM | 7 | 0 | 11 | 1 | 20 | 1 | 23 | 2 |
| 11:00 AM | 7 | 0 | 12 | 0 | 17 | 0 | 23 | 3 |
| 12:00 PM | 8 | 0 | 8 | 1 | 15 | 0 | 20 | 4 |
| 1:00 PM | 6 | 0 | 11 | 1 | 11 | O. | 21 | 5 |
| 2:00 PM | 6 | 0 | 8 | 0 | 1.6 | 0 | 19 | 6 |
| 3:00 PM | 7 | 0 | - 6 | 1 | 11 | 0 | 22 | 7 |
| 4:00 PM | 7 | 0 | 13 | 1 | 15 | 1 | 21 | 8 |
| 5:00 PM | 4 | ٥ | 10 | 0 | 18 | 0 | 17 | 9 |
| 6:00 PM | 5 | 0 | 9 | 1 | 8 | 0 | 21 | 10 |
| 7:00 PM | 3 | 0 | 6 | 1 | 11 | 0 | 24 | 11 |

PRECISION D A T A INDUSTRIES, LIC

ArlIngton Center Occupancy Study Streets 6-8pm

Date:

11/15/2012

P.O. Sox 301 Berlin, MA 01503 Office: 508.481.3999 Fax: 508.545.1234 Email: datasequests@pdiflc.com

| | | | 6:00 |) PM | 7:00 |) PM |
|------------|-------|--|---------|----------|---------|----------|
| Street: | Side: | Location: | Regular | Handicap | Regular | Handicap |
| Mass Ave | South | Between Academy and Town Hall Xwalk | 3 | 0 | 2 | 0 |
| Mass Ave | South | Between Town Hall Xwalk and Spengler Way | 18 | 0 | 14 | 0 |
| Mass Ave | South | Between Spengler Way and Pleasant Street | 2 | 0 | 2 | 0 |
| Pleasant | West | Between Mass Ave and Maple Street | 4 | 0 | 4 | 0 |
| Pleasant | East | Between Lombard and Swan Street | 6 | 0 | 6 | 0 |
| Mass Ave | South | Between Pleasant and Medford | 16 | 0 | 14 | 0 |
| Mass Ave | South | Between Medford and Franklin | 12 | 0 | 10 | 0 |
| Mass Ave | North | Between Franklin and Broadway | 6 | 0 | 6 | 0 |
| Broadway | North | Between Franklin and Alton | 6 | 0 | 6 | 0 |
| Broadway | South | Between Franklin and Alton | 6 | 0 | 6 | 0 |
| Alton | West | North of Broadway | 2 | 0 | 2 | 0 |
| Broadway | North | Between Alton and Mass Ave | 14 | 0 | 14 | 0 |
| Broadway | South | Between Alton and Mass Ave | 10 | a | 12 | 0 |
| Medford St | East | North of Mass Ave | 14 | 0 | 11 | 0 |
| Medford St | West | North of Mass Ave | 21 | 1 | 18 | 1 |
| Mass Ave | North | Between Medford and Mystic | 12 | 0 | 11 | 0 |
| Mass Ave | North | Between Mystic and Water | 14 | 1 | 14 | 1 |
| Mass Ave | North | Between Water and Central | 13 | 0 | 12 | 0 |

Arlington Center Occupancy Study Streets 10-8pm

Date:

11/17/2012

| | | | 10:0 | 0 AM | 11:0 | 0 AM | 12:0 | 0 PM | 1:0 | 0 PM |
|------------|-------|----------------------------------|---------|----------|---------|----------|---------|----------|---------|----------|
| Street: | Side: | Location: (between streets) | Regular | Handicap | Regular | Handicap | Regular | Handicap | Regular | Handicap |
| Mass Ave | South | Academy and Town Hall Xwalk | 4 | 0 | 3 | O | 3 | 1 | 3 | 1 |
| Mass Ave | South | Town Hall Xwalk and Spengler Way | 17 (3) | 0 | 17 | 0 | 17 | 0 | 17 | 0 |
| Mass Ave | South | Spengler Way and Pleasant Street | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 |
| Pleasant | West | Mass Ave and Maple Street | 20 | 0 | 19 | 0 | 20 | 0 | 20 | 0 |
| Pleasant | East | Lombard and Swan Street | 14 | 0 | 11 | 0 | 11 | 0 | 13 | 0 |
| Mass Ave | South | Pleasant and Medford | 14 | 0 | 17 | 0 | 15 | 0 | 13 | 0 |
| Mass Ave | South | Medford and Franklin | 8 | 0 | 7 | 0 | 13 | 0 | 13 | 0 |
| Mass Ave | North | Franklin and Broadway | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 |
| Broadway | North | Franklin and Alton | 6 | 0 | 5 | 0 | 5 | 0 | 5 | 0 |
| Broadway | South | Franklin and Alton | 6 | 0 | 6 | 0 | 6 | 0 | 6 | 0 |
| Alton | West | North of Broadway | 2 | 0 | 2 | 1 | 2 | 0 | 2 | 0 |
| Broadway | North | Alton and Mass Ave | 14 | 0 | 14 | 0 | 14 | 0 | 14 | 0 |
| Broadway | South | Alton and Mass Ave | 10 | 0 | 10 | 0 | 10 | 0 | 10 | 0 |
| Medford St | East | North of Mass Ave | 16 | 0 | 17 | 0 | 15 | 0 | 15 | 0 |
| Medford St | West | North of Mass Ave | 19 | ٥ | 30 (2) | Ð | 17 | 0 | 18 | 0 |
| Mass Ave | North | Medford and Mystic | 10 (1) | 0 | 10 | 0 | 9 | 0 | 10 | 0 |
| Mass Ave | North | Mystic and Water | 11 | 0 | 14 (2) | 0 | 12 | 1 | 11 | 1 |
| Mass Ave | North | Water and Central | 15 | 0 | 15 | 0 | 14 | 1 | 14 | 0 |

- (1) delivery vehicle(2) Funeral cars double parked(3) Car parked in no parking zoneFair at Church on Pleasant St



Arlington Center Occupancy Study Streets 10-8pm

Date:

11/17/2012

| | | | 2:00 |) PM | 3:00 | PM | 4:00 | PM | 5:0 | O PM |
|------------|-------|----------------------------------|---------|----------|---------|----------|---------|----------|---------|----------|
| Street: | Side: | Location: (between streets) | Regular | Handicap | Regular | Handicap | Regular | Handicap | Regular | Handicap |
| Mass Ave | South | Academy and Town Hall Xwalk | 3 | 1 | 3 | 1 | 1. | 1 | 2 | 0 |
| Mass Ave | South | Town Hall Xwalk and Spengler Way | 17 | 0 | 16(1) | 0 | 16 | 0 | 8 | 0 |
| Mass Ave | South | Spengler Way and Pleasant Street | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0 |
| Pleasant | West | Mass Ave and Maple Street | 17 | 0 | 7 | D | 3 | 0 | 1 | 0 |
| Pleasant | East | Lombard and Swan Street | 10 | 0 | 3 | 0 | 4 | 0 | 3 | 0 |
| Mass Ave | South | Pleasant and Medford | 13 | 0 | 12 | 0 | 11 | 0 | 11 | 0 |
| Mass Ave | South | Medford and Franklin | 11 | 0 | 8 | 0 | 7 | 0 | 7 | 0 |
| Mass Ave | North | Franklin and Broadway | 6 | 0 | 2 | 0 | 5 | 0 | 5 | 0 |
| Broadway | North | Franklin and Alton | 6 | 0 | 4 | 0 | 5 | 0 | 2 | 0 |
| Broadway | South | Franklin and Alton | 6 | 0 | 6 | 0 | 6 | 0 | 5 | 0 |
| Alton | West | North of Broadway | 2 | O | 2 | 1 | 2 | 0 | 2 | 0 |
| Broadway | North | Alton and Mass Ave | 14 | 0 | 14 | 0 | 14 | 0 | 7 | 0 |
| Broadway | South | Alton and Mass Ave | 9 | 0 | 10 | 0 | 10 | 0 | 12 | 0 |
| Medford St | East | North of Mass Ave | 9 | 0 | 11 | 0 | 14 | 0 | 11 | 0 |
| Medford St | West | North of Mass Ave | 13 | 0 | 14 | 0 | 24 | 0 | 18 | 1 |
| Mass Ave | North | Medford and Mystic | 7 | 0 | 10 (2) | 0 | 11 | 0 | 11 | 0 |
| Mass Ave | North | Mystic and Water | 14 (1) | 0 | 14 | 1 | 7 | 0 | 10 | 0 |
| Mass Ave | North | Water and Central | 15 | 0 | 14 | 0 | 13 | 0 | 9 | 0 |

- (1) Car Double Parked(2) Car parked in no parking zone

Arlington Center Occupancy Study Streets 10-8pm Date:

11/17/2012

| | | | 6:00 | 6:00 PM | |) PM |
|------------|-------|----------------------------------|---------|----------|---------|----------|
| Street: | Side: | Location: (between streets) | Regular | Handlcap | Regular | Handicap |
| Mass Ave | South | Academy and Town Hall Xwalk | 0 | 0 | 2 | 0 |
| Mass Ave | South | Town Hall Xwalk and Spengler Way | 17 | 0 | 15 | 0 |
| Mass Ave | South | Spengler Way and Pleasant Street | 2 | 0 | 2 | 0 |
| Pleasant | West | Mass Ave and Maple Street | 0 | 0 | 2 | 0 |
| Pleasant | East | Lombard and Swan Street | 2 | 0 | 5 | 0 |
| Mass Ave | South | Pleasant and Medford | 13 | 0 | 12 | 0 |
| Mass Ave | South | Medford and Franklin | 9 | 0 | 9 | Q |
| Mass Ave | North | Franklin and Broadway | 5 | 0 | 12 | 0 |
| Broadway | North | Franklin and Alton | 5 | 0 | 5 | 0 |
| Broadway | South | Franklin and Alton | 5 | 0 | 6 | 0 |
| Alton | West | North of Broadway | 2 | 0 | 2 | 0 |
| Broadway | North | Alton and Mass Ave | 14 | 0 | 14 | 0 |
| Broadway | South | Alton and Mass Ave | 10 | 0 | 10 | 0 |
| Medford St | East | North of Mass Ave | 11 | 0 | 9 | 0 |
| Medford St | West | North of Mass Ave | 21 | 1 | 17 | 0 |
| Mass Ave | North | Medford and Mystic | 11 | 0 | 12(2) | 0 |
| Mass Ave | North | Mystic and Water | 12 (1) | 1 | 13 | 1 |
| Mass Ave | North | Water and Central | 11 | 0 | 12 | 0 |

- (1) car double parked (2) car parked at fire hydrant

PRECISION D A T A INDUSTRIES.LIC

Arlington Center Occupancy Study Lots 10am-8pm

Date:

11/17/2012

RO. Bex 301 Berlin, MA 01583 Office: 508.481.3999 Fax: 508.545.1234 Email: data: equests@odilic.com

| Time: | Russell Common Lot | | | Railroad Lot | | | Winslo | w Street | Russell | Terrace | Library Lot | |
|----------|--------------------|----------|--------|--------------|----------|------|---------|----------|---------|----------|-------------|----------|
| | Regular | Handicap | Permit | Regular | Handicap | Bank | Regular | Handicap | Regular | Handicap | Regular | Handicap |
| | 99 | 8 | 119 | 53 | 4 | 36 | 9 | 0 | 26 | 0 | 78 | 3 |
| 10:00 AM | 68 | 2 | 32 | 18 | 2 | 36 | - 6 | 0 | 8 | 0 | 70 | 2 |
| 11:00 AM | 89 | 1 | 81 | 53 | 0 | 36 | 5 | 0 | 4 | 0 | 67 | 2 |
| 12:00 PM | 65 | 1 | 43 | 57 | 1 | 35 | 6 | 0 | 6 | 0 | 72 | 2 |
| 1:00 PM | 57 | 1 | 37 | 55 | 2 | 34 | 4 | 0 | 5 | 0 | 73 | 1 |
| 2:00 PM | 59 | 1 | 11 | 55 | 1 | 28 | 5 | 0 | 3 | 0 | 76 | 1 . |
| 3:00 PM | 31 | 2 | 12 | 34 | 1 | 14 | 5 | 0 | 4 | 0 | 58 | 1 |
| 4:00 PM | 38 | 2 | 69 | 19 | 0 | 12 | 7 | 0 | 4 | 0 | 40 | 0 |
| 5:00 PM | 78 | 1 | 38 | 18 | 0 | 1.5 | . 6 | 0 | 2 | 0 | 6 | 0 |
| 6:00 PM | 37 | 0 | 31 | 43 | 0 | 20 | 3 | 0 | 3 | 0 | 8 | 0 |
| 7:00 PM | 65 | 1 | 30 | 56 | 1 | 32 | 3 | 0 | 5 | 0 | 24 | 1 |

Russell Common lot includes 2 zip car spaces within Regular Parking



Arlington Center Occupancy Study Lots 10am-8pm

Date: 11/15/2012

| Time: | Swan | Street | E Cambridge Bank | | Jami | n Java | Broadway (Fra | nklin to Webster |
|----------|---------|----------|------------------|----------|---------|----------|---------------|------------------|
| ,,, | Regular | Handicap | Regular | Handicap | Regular | Handicap | Regular | Handicap |
| | 8 | 0 | 20 | 1 | 21 | 1 | 25 | 0 |
| 10:00 AM | 8 | 0 | 10 | 0 | 21 | 1 | 24 | 0 |
| 11:00 AM | 7 | 0 | 16 | 0 | 16 | 0 | 22 | 0 |
| 12:00 PM | 7 | 0 | 10 | 0 | 14 | 0 | 24 | 0 |
| 1:00 PM | 7 | 0 | 10 | 0 | 13 | 0 | 20 | 0 |
| 2:00 PM | 8 | 0 | 5 | 0 | 15 | 0 | 24 | 0 |
| 3:00 PM | 7 | 0 | 3 | 0 | 17 | 0 | 20 | 0 |
| 4:00 PM | 7 | 0 | 5 | 0 | 15 | 0 | 16 | 0 |
| 5:00 PM | 6 | 0 | 4 | 0 | 15 | 0 | 6 | 0 |
| 6:00 PM | 6 | 0 | 4 | 0 | 13 | 0 | 2 | 0 |
| 7:00 PM | 7 | 0 | 7 | 0 | 17 | 0 | 1 | , 0 |

Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Mass Ave

Side: South

Location: Between Academy and Town Hall Xwalk

| | | A | M | · · · · · · · · · · · · · · · · · · · | | | Pl | M | | |
|------------------|-----------|------------|-------------|---------------------------------------|------------|-----------|---|------------------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12;00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | | AL9 | B57 | | _, | PV9 | 4.00 1.00 | 316 | JB4 |
| 2 | | | 5FR | EZH | | | EY7 | , , | | \$64 |
| 3 | | 337 | F82 | P32 | P32 | | E90 | D85 | D85 | KK7 |
| 4 | | | PSN | 444 | 444 | | | | 950 | 950 |
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Street: Mass Ave

Side: South

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

count each block in the same direction each time

Location: Between Town Hall Xwalk and Spengler Way

| | | P | M | | | | P | M | | |
|-----------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | X38 | | PE9 | | 890 | 8ZZ | 8ZZ | | UB8 | UB8 |
| 2 | 70,000 | K49 | 234 | 234 | | NFO | L77 | | G34 | GY8 |
| 3 | | LW7 | LW7 | JP7 | 797 | 9TD | LHZ | 6VM | EN9 | KF7 |
| 4 | | | Z30 | Z30 | Z30 | 870 | 870 | DD1 | DD1 | |
| 5 | | | KK8 | 6NK | AK3 | AK3 | | | L68 | 1.68 |
| 6 | | | A76 | A76 | A76 | A76 | A76 | BE3 | 5XF | 5XF |
| 7 | | 529 | 529 | | 72U | C73 | | 9HW | 2JT | |
| 8 | | KNO | KNO | 168 | 168 | VA8 | VA8 | | 95M | 95M |
| 9 | . , | | 680 | | 663 | YN5 | | HB2 | LM3 | PJ8 |
| 10 | , | | 6XX | 6XX | 6XX | 7UV | | A76 | A76 | A76 |
| 11 | | | | HJ1 | 6XZ | W50 | W50 | OPF | 9WW | 9WW |
| 12 | | E53 | | K84 | | \$47 | S47 | 547 | T67 | NKY |
| 13 | | DX4 | JP5 | KA6 | KA6 | KA6 | KA6 | | M17 | |
| 14 | | | HIO | НЮ | D07 | 680 | | \$45 | S45 | \$45 |
| 15 | | 7BI | 7BJ | GDR | 210 | 210 | 210 | 210 | 210 | 210 |
| 16 | XYZ | XYZ | M17 | M17 | M17 | 8KC | 8KC | AN5 | AN5 | AN5 |
| 17 | | E91 | 97E | | 808 | G51 | G51 | KK7 | 6RZ | 6RZ |
| 18 | | | | 5JW | | | 5ZB | | | |

Date: 11/15/2012

Street: Mass Ave

Side: South

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Location: Between Spengler Way and Pleasant Street

| | | P | M | | | | Р | М | | |
|------------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-------------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| . 1 | | 910 | | | | 866 | 5FX | | 9\$4 | 954 |
| 2 | | J27 | GWN | | TK8 | TK8 | 6JL | | LPM | LPM |
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Date: 11/15/2012

Street: Pleasant

Side: West

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Location: Between Mass Ave and Maple Street

| [| | A | M | | | | P | М | | |
|-----------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | T24 | | | | 758 | | | | |
| 2 | M44 | JS8 | | | JS8 | | | | | |
| 3 | | ORE | ORE | ORE | ORE | ORE | ORE | ORE | ORE | ORE |
| 4 | | L50 | EA9 | | | | | MK2 | 575 | |
| 5 | 2EN | 2EN | 2EN | 2EN | 2EN | 2EN | 2EN | 2EN | 2EN | |
| 6 | ALO | ALO | ALO | ALO | ALO | ALO | ALO | ALO | ALO | |
| 7 | ZOP | ZOP | ZOP | ZOP | ZOP | ZOP | ZOP | ZOP | ZOP | S46 |
| 8 | KWL | KWL | KWL | KWL | KWL | KWL | KWL | KWL | 6RZ | |
| 9 | J33 | 133 | J33 | J33 | J33 | J33 | J33 | J33 | J33 | 133 |
| 10 | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK | 8ZK |
| 11 | | TC5 | TC5 | TC5 | TC5 | TÇS | TC5 | TC5 | TC5 | TC5 |
| 12 | | | 820 | 820 | 820 | 820 | 820 | 820 | | |
| 13 | | 4MV | 4MV | 4MV | 4MV | 4MV | 4MV | 4MV | 4MV | 4MV |
| 14 | | 893 | 893 | 893 | 893 | 893 | 893 | 893 | 893 | 893 |
| 15 | | | LC3 | LC3 | LC3 | LC3 | LC3 | LC3 | FC3 | |
| 16 | | | KGO | KGO | KGO | KGO | KGO | KGO | KGO | KGO |
| 17 | | | | | B55 | | | | | |
| 18 | | | | | | | | | | |

Date: 11/15/2012

Street: Pleasant

Slde: East

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Location: Between Lombard and Swan Street

| | | А | M | | | | P | M | | |
|-----------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|---|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | 043 | 043 | 043 | 043 | 043 | 043 | 043 | 043 | 790 | |
| . 2 | · | LN5 | LN5 | LN5 | LN5 | LN5 | LN5 | | | |
| 3 | | | | | | | | TV5 | TV5 | TV5 |
| 4 | | F80 | F80 | F80 | F80 | F80 | F80 | F80 | F80 | |
| 5 | | F09 | F09 | F09 | F09 | F09 | F09 | F09 | F09 | F09 |
| 6 | 2SH | 2SH | 25H | 2SH | 25H | 2SH | 2SH | 2SH | 2SH | |
| 7 | 496 | 496 | 496 | 496 | 496 | 496 | 496 | 496 | 496 | 496 |
| 8 | 423 | 423 | 423 | 423 | 423 | 423 | 423 | 423 | | |
| 9 | Z94 | 294 | Z94 | Z94 | Z94 | Z94 | Z94 | Z94 | Z94 | |
| 10 | 7LZ | 7LZ | 7L2 | 712 | 7LZ | 7LZ | 71.Z | 7LZ | 71.2 | |
| 11 | FK4 | FK4 | FK4 | FK4 | FK4 | FK4 | FK4 | FK4 | FK4 | |
| 12 | 5TR | 5TR | 5TR | 5TR | 5TR | 5TR | 5TR | 5TR | 5TR | |
| | | EN9 | 7RE | V04 | K81 | | | 190 | 5VT | |
| | | \$18 | V20 | EY7 | AG1 | EG7 | | 501 | 501 | ко |
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Instructions: Record last three digits or letters of license plate
Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Mass Ave

Side: South

Location: Between Pleasant and Medford

| | | A | М | | | | P | M | | |
|---------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|---|-----------|
| Hour/ | | | | | | | | | | |
| Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12;00-1;00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | 72H | XC7 | BY9 | BY9 | DN1 | H74 | | | 1AM |
| 2 | | 6NT | 8JZ | | W39 | V06 | DN1 | | | ORG |
| 3 | XHS | XHS | FK1 | ETE | 5BW | | | 869 | S27 | S27 |
| 4 | | 51,1 | RK5 | | J37 | J37 | J37 | | 7WG | AZ6 |
| 5 | YYB | 619 | JZ3 | | HPG | EYJ | EYJ | J37 | J37 | J37 |
| 6 | | · | | R97 | CI | Cli | C11 | Cit | C11 | C11 |
| 7 | C11 | C1 | € C11 | C11 | | | | | | |
| 8 | | ATO | 562 | | 4YW | ND5 | ND5 | | 6CM | 6CM |
| 9 | | | PX3 | РХЗ | ND5 | X70 | X70 | X70 | Y13 | H59 |
| 10 | T81 | A49 | A49 | J37 | V17 | V17 | V17 | VD9 | VD9 | C91 |
| 11 | | G84 | G84 | | CG2 | CG2 | CG2 | CG2 | CG2 | 4BP |
| 12 | | | | | 85Y | | | 056 | | F87 |
| | | H88 | H88 | | 307 | RD5 | 778 | 778 | | P01 |
| | | 4CK | | | 80D | BV6 | | 549 | ND5 | 500 |
| | | | | | 225 | 225 | 32 | | | |
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Instructions: Record last three digits or letters of license plate

Date: 11/15/2012

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Mass Ave

Side: South

Location: Between Medford and Franklin

| | | A | М | | | | P | М | | |
|------------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | | | TPL | 639/WP8 | 960 | L90 | 870 | | SNS |
| 2 | | | RS5 | Z13 | 98P | ALO | 960 | 960 | | CT7 |
| 3 | | 448 | | V59 | KM8 | | 6FA | 8RJ | 1CL | |
| 4 | | 7GM | | A58 | W71 | W71 | 1EV | OFF | 6ТХ | H75 |
| 5 | | | | PC8 | 689 | SL6 | | | GR5 | |
| 6 | | | 2AC | | PM4 | ESE | SL6 | | | , |
| 7 | | E86 | | | C05 | | | | | |
| 8 | | 264 | | CM8 | | | | FB9 | VB9 | AB8 |
| 9. | | 200/290 | W50 | | PPG | PPG | | | 889 | ME4 |
| 10 | | V64 | | | | 3VZ | | | | BT5 |
| 11 | 7CO | 7GN | RJ3 | RJ3 | RJ3 | FM7 | | | | R09 |
| 12 | | | 8LP | 8LP | WQ5 | LM6 | | | | PK6 |
| | | | D84 | D84 | Ð84 | D84 | D84 | D84 | D84 | |
| | | | | | | 470 | 470 | 470 | EL6 | |
| | | | TY8 | | | | | | | |
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Date: 11/15/2012

Side: North

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Location: Between Franklin and Broadway

Street: Mass Ave

| Ī | | Δ | M | | | | P | М | • | |
|---------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ | | | | | r | | | | | |
| Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | | | | 170 | F60 | | | 680 | A86 |
| 2 | | | | | NY3 | L49 | 404 | JVO | AT9 | 185 |
| 3 | | | 5VN | 5VN | 5VN | 5VN | 939 | | J37 | EV7 |
| 4 | | АМЗ | | JN7 | K15 | 361 | | YVF | 5PF | |
| 5 | | | PX5 | PX5 | C06 | 50X | 750 | D29 | 490 | |
| 6 | | T40 | 96 | | MV3 | BVP | | | 564 | |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Broadway

Side: North

Location: Between Franklin and Alton

| | | A | М | | | | P | М | | |
|------------------|-----------------------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9;00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1. | | ΉY | ТΤΥ | 505 | KD8 | KD8 | KD8 | KD8 | A31 | P75 |
| 2 | , | G36 | G36 | 597 | B75 | B75 | 500 | 500 | | EDQ |
| 3 | | CP3 | СРЗ | | CB7 | CB7 | LX5 | LX5 | 4G0 | 460 |
| 4 | | PM6 | PM6 | PM6 | PM6 | PM6 | PM6 | 1.41 | | ОНВ |
| 5 | | LCW | LCW | | C22 | C22 | 991 | 991 | C06 | A17 |
| 6 | | 503 | KL8 | KL8 | DA6 | DA6 | DA6 | 921 | | |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation Count each block in the same direction each time

Street: Broadway

Slde: South

Location: Between Franklin and Alton

| | | A | .M | · · · · · · · · · · · · · · · · · · · | | | P | M | | |
|-----------------|-----------|------------|-------------|---------------------------------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | D80 | D80 | 505 | 505 | 505 | 505 | 505 | 505 | LY3 |
| 2 | 800 | GH6 | LBE | l.BE | PL6 | ZPJ | ZPJ | N82 | V40 | V40 |
| 3 | | L20 | 000 | ODO | | GK1 | GK1 | 668 | FH5 | PA4 |
| 4 | | T72 | 17 | 17 | DF6 | XHG | 940 | 940 | GL1 | 286 |
| 5 | | 9HW | 9HW | RY6 | LT6 | EWR | EWR | EWR | WNE | WNE |
| 6 | | | | | | | | | | |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Alton

Side: West

Location: North of Broadway

| | | A | М | | | | p | М | | |
|-----------------|-----------|------------|-------------|-------------|------------|-----------|--------------|-----------|-------------|-----------|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10;00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6;00 |
| 1 | | | | 268 | 268 | | | | | |
| 2 | | | | HL6 | HL6 | HL6 | 4ND | 4ND | H60 | H60 |
| 3 | | | | 1TB | 1TB | 1TB | 1TB | 1TB | 1 TB | 1TB |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Broadway

Side: North

Location: Between Alton and Mass Ave

| ſ | | ^ | M | *** | | | Р | М | | |
|------------------|-----------|------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|
| Hour/ Space # | 8;00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1;00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | 6FT | SH3 | SH3 | CK7 | СК7 | | | G76 | |
| 2 | | WMG | JT1 | JT1 | V01 | V01 | JB8 | JB8 | | 810 |
| 3 | | RV7 | M18 | MT6 | DW9 | 503 | | | 586 | G20 |
| 4 | | KE7 | SE7 | SE7 | AD | V26 | OYC | OYC | PE7 | PE7 |
| 5 | B51 | N50 | | EVA | 6CE | 6CE | 6CE | 6CE | KT1 | KT1 |
| 6 | | 874 | Y10 | Y10 | | NKW | NKW | F58 | W40 | W40 |
| 7 | НТ6 | BW2 | | 155 | L55 | BM5 | BM5 | 701 | B90 | 587 |
| 8 | P13 | CG2 | | 976 | 976 | 976 | 976 | 976 | 976 | 976 |
| 9 | Y48 | owx | 955 | AKO | 685 | JT6 | JT6 | JT6 | JT6 | MR6 |
| 10 | мто | N30 | TZ5 | RAJ | RAJ | DYF | Ц.7 | X10 | X10 | X10 |
| 11 | ···· | 7WF | 7WF | 7WF | 4MV | 3JD | HCI | на | FV2 | A82 |
| 12 | 410 | 410 | 410 | 410 | 410 | 410 | | K62 | K62 | R69 |
| 13 | FN3 | DE7 | E30 | E30 | 1 SI | 1 St | | | AW8 | 1MR |
| 14 | | 539 | CY2 | CY2 | Y24 | Y24 | Y24 | T50 | AKO | C35 |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Broadway

Side: South

Location: Between Alton and Mass Ave

| JE3 OXY | 9;00-10:00 W80 CC5 754 2YG BVP | 10:00-11:00 5G3 CC5 754 2YG | 11:00-12:00 JW6 CC5 P70 2YG | 12:00-1:00 JW6 CC5 736 | 1:00-2:00 OJM 340 736 | 2:00-3:00 LS9 . KCB JA7 | 3:00-4:00 LS9 KCB JA7 | 4:00-5:00 LS9 P76 K20 | 5:00-6:00 J30 JT1 K20 |
|------------|---|---|---|------------------------------------|-------------------------------------|---|---|---|---|
| JE3 OXY | CC5 754 2YG | CC5 754 2YG | CC5 P70 | CC5 736 | 340 | КСВ | КСВ | P76 | JT1 |
| ОХҮ | 754 2YG | 754 2YG | P70 | 736 | ···· | | | | |
| ОХҮ | 2YG | 2YG | | | 736 | JA7 | JA7 | K20 | K20 |
| | | | 2YG | | | | | | NEU |
| ÇÇŞ | BVP | | | 2YG | MR6 | MR6 | | 294 | LH6 |
| SSS | | RH4 | RH4 | RH4 | BF3 | | | M22 | GE4 |
| 224 | MR6 | | A59 | 853 | HDE | 7YV | A59 | R29 | HE6 |
| 5GB | 7LG | 7LG | 177 | 177 | 177 | | | 8FD | KG6 |
| JT6 | JT6 | JT6 | JT6 | JT6 | СМҮ | NE4 | NE4 | 7XX | N76 |
| N10 | N10 | N10 | N10 | 646 | 646 | 4VV | 4VV | ЗНВ | LS8 |
| BP4 | BP4 | BP4 | 992 | 7TL | 7TL | CCH | FX4 | 7PR | 520 |
| | | | | | | | *************************************** | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | JT6 N10 | JT6 JT6 N10 N10 | JT6 JT6 JT6 N10 N10 N10 | JT6 JT6 JT6 JT6 N10 N10 N10 N10 | JT6 JT6 JT6 JT6 JT6 N10 N10 N10 646 | JT6 JT6 JT6 JT6 JT6 CMY N10 N10 N10 646 646 | JT6 JT6 JT6 JT6 CMY NE4 N10 N10 N10 646 646 4VV | JT6 JT6 JT6 JT6 CMY NE4 NE4 N10 N10 N10 646 646 4VV 4VV | JT6 JT6 JT6 JT6 CMY NE4 NE4 7XX N10 N10 N10 646 646 4VV 4VV 3HB |

Date: 11/15/2012

Street: Medford St

Side: East

instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Location: North of Mass Ave

| | | Δ | M | | | | Pi | М | | |
|-----------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space# | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | JG2 | 8LP | 488 | NX2 | NX2 | NX2 | NX2 | NX2 | NX2 |
| 2 | | 318 | 318 | | | 740 | 740 | 740 | 740 | 740 |
| 3 | 740 | 740 | 740 | 740 | 740 | JW6 | | | 70W | 70W |
| 4 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 5 | FWO | BJC | вус | XID | GVD | GVD | GVD | GVD | GVD | GVD |
| 6 | AH3 | AH3 | L20 | L20 | R50 | вм9 | 3RE | 3RE | OFG | 8KT |
| 7 | J46 | 6MG | 6MG | 6MG | X10 | X10 | X10 | C67 | OYA | OYA |
| 8 | | G10 | G10 | 1CA | A18 | A18 | A18 | | KJB | 180 |
| 9 | | A92 | T20 | HL2 | 8BL | 8BL | 8BL | PIF | 5SG | 5SG |
| 10 | | DAO | | | 4VV | 7BE | 7BE | 7BE | 7BE | 7BE |
| 11 | | T20 | 6EG | 6EG | T20 | | | Y64 | 8AG | 992 |
| 12 | M54 | | DKY | 6EG | 6EG | 6EG | 6EG | 107 | | 2PE |
| : | | | | | ET6 | | | | | 6EY |
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Date: 11/15/2012

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Medford St

Side: West

Location: North of Mass Ave

| | | <i>p</i> | M | | | | P | М | | |
|------------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4;00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | NE7 | | VAP | VAP | VAP/772 | 772 | 772 | | 7RG |
| 2 | | | 7CD | J28 | K89 | J23 | J23 | WIY | 7RG | 2\$2 |
| 3 | | 5BJ | 279 | N85 | 9KW | 250 | 250 | 32X | NC6 | YAR |
| 4 | | E22 | MNF | | 880 | 880 | 880 | 880 | 880 | 880 |
| 5 | | L98 | 192 | 1.92 | 192 | D20 | D20 | D20 | D20 | 830 |
| 6 | | L10 | 640 | 640 | 640 | 640 | 640 | 640 | 640 | 4YC |
| 7 | | B32 | 6TZ | | | BB8 | BB8 | BB8 | A18 | A18 |
| 8 | 640 | 640 | 640 | | | 4PB | 5CB | | | A11 |
| 9 | | | CTY | 4VV | DK3 | NE7 | | | P80 | 560 |
| 10 | | | | 365 | D18 | 4VV | V51 | V51 | | G3N |
| 11 | 58B | NL8 | 3LF | | 992 | SH3 | SH3 | R57 | | 5AK |
| 12 | 419 | 46 | 3VF | 3VF | 6MG | 6MG | K66 | K66 | 620 | TK8 |
| 13 | J15 | J15 | | GK1 | 4GD | 4GD | 4GD | DW7 | ĐW7 | DW7 |
| 14 | | AA9 | AA9 | | 646 | WTF | WTF | WTF | WTF | WTF |
| 15 | 4GD | 4GD | 4GD. | 4GD | 7BE | LOM | | | 75N | |
| 16 | ··· | | | 2NJ | | | | | | A78 |
| 17 | | | 666 | | | | | | | 4CM |
| 18 | | | TK8 | | | M10 | | | | GAD |
| 19 | | | | | | | | | | T41 |
| 20 | 464 | 464 | 464 | 464 | 464 | 464 | 464 | | | D92 |

Instructions: Record last three digits or letters of license plate Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Mass Ave

Side: North

Location: Between Medford and Mystic

| | | | M | | PM | | | | | |
|------------------|-----------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | | NM8 | CE1 | | 230 | 182 | | | JS5 | D61 |
| 2 | | 569 | 1LT | 6GK | B29 | PMX | 6YN | 6YN | | www |
| 3 | | G90 | 6ZA | ME7 | JT1 | JT1 | | | IM9 | JM9 |
| 4 | | EN8 | 444 | 444 | 630 | 630 | | | RK5 | RK5 |
| 5 | | E92 | BV5 | , | M52 | 6TX | | | | GX3 |
| . 6 | : | JG6 | JG6 | WG8 | K89 | JN2 | OBJ | ОВЈ | OBJ | JM9 |
| 7 | | 215 | 372 | 372 | 372 | 372 | 372 | 372 | NPC | NXX |
| 8 | 372 | 372 | FMS | | | 1RD | 1RD | | YPW | Z06 |
| 9 | | 200 | 200 | HY1 | HY1 | HY1 | HY1 | | | KX1 |
| 10 | | WVY | WVY | | NE7 | | | 4XW | | A77 |
| 11 | 7CO | NK2 | DX8 | DX8 | 318 | 318 | 318 | JT1- | MVO | MVO |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation Count each block in the same direction each time

Street: Mass Ave

Side: North

Location: Between Mystic and Water

| | | A | M | | PM | | | | | |
|------------------|--------------|------------|-------------|-------------|------------|-----------|-----------------|-----------|-----------|-----------|
| Hour/ Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4;00-5:00 | 5:00-6:00 |
| 1 | | | | | 3GT | 700 | 700 | 700 | | ШЗ |
| 2 | | | 184 | | 341 | | 680 | 680 | H31 | FT2 |
| 3 | | 290 | 290 | K79 | Y37 | Y37 | | 2LN | N46 | GHG |
| 4 | | G80 | Z55 | | GT1 | GT1 | GT1 | GT1 | | 6BM |
| 5 | H 1 9 | H19 | RJ8 | RJ8 | G78 | W19 | 65B | 65B | NKO | KA6 |
| 6 | 162 | H34 | 655 | 655 | B86 | B86 | 6BM | 6BM | 6BM | 840 |
| 7: | | ING | 693 | | V86 | V86 | V86 | KA6 | KA6 | GD7 |
| | 53C | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | ZRF |
| 9 | 44V | K52 | 1.10 | L10 | GP1 | 762 | S17 | VT8 | GD7 | C22 |
| 10 | 30 | 690 | PT7 | G93 | M66 | M66 | M66 | DCW | 7RE | V50 |
| 11 | 743 | AN5 | AN5 | AN5 | AN5 | AN5 | 8 70 | B70 | D46 | СВМ |
| 12 | LW7 | | CT4 | CT4 | P91 | 8NR | | | Y66 | |
| 13 | GWN | GWN | JFO | 989 | 989 | M17 | | KD7 | GK3 | |
| | | | | | AKY* | | | | | |
| | | | | | | | | | | |
| | * NO PARKING | ZONE | | | | | | | - | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Instructions: Record last three digits or letters of license plate

Check box if plate is the same as previous observation

Count each block in the same direction each time

Street: Mass Ave

Side: North

Location: Between Water and Central

| | | Α | M | | PM | | | | | |
|---------|--------------|------------|-------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|
| Hour/ | | | | _ | | | : | | | |
| Space # | 8:00-9:00 | 9:00-10:00 | 10:00-11:00 | 11:00-12:00 | 12:00-1:00 | 1:00-2:00 | 2:00-3:00 | 3:00-4:00 | 4:00-5:00 | 5:00-6:00 |
| 1 | 08A | REW | VH9 | 2CA | LW7 | LW7 | AAX | AAX | JV5 | C41 |
| 2 | C75 | VMF | 280 | 280 | 280 | 280 | 370 | 370 | LF9 | 1.F9 |
| 3 | H98 | V90 | | 910 | X46 | AHU | B17 | 406 | JL5 | YYE |
| . 4 | | REL | L85 | L85 | L85 | L85 | L85 | L85 | L85 | L85 |
| 5 | | 4LN | | 860 | SXN | SXN | NBU | NBU | FE4 | FE4 |
| 6 | G25 | B79 | K72 | W30 | W30 | W30 | | | LM3 | L84 |
| 7 | JE8 | JE8 | | SJB | 92F | 717 | | | 4VH | 4VH |
| 8 | 720 | R14 | 8VL | | T90 | 469 | | | 72 | PD3 |
| 9 | DG3 | DG3 | 5BT | CWH | AF8 | | B77 | B77 | 335 | 89 |
| 10 | | | 1AT | | | K40 | K40 | 20E | D78 | D78 |
| 11 | | SK6 | L65 | 51N | OGE | Y13 | 7LP | 1SL | 9GO | 9GO |
| 12 | GD8 | R20 | 240 | 240 | B70 | R87 | 737 | 2FL | 331 | JK2 |
| 13 | | IAS | PC8 | F78 | 540 | 977 | 977 | N40 | SH8 | 577 |
| 14 | | M47 | OD7 | 007 | G71 | G71 | WB8 | WB8 | LW7 | 7EO |
| | | | | | | 708 * | | 42DX* | | |
| | * NO PARKING | 3 ZONE | | | | | | | | |
| | | | | | | · . | | | | |
| | | | | | | | | | | |



Transportation Advisory Committee, Arlington Planning Department, 730 Mass Ave, Arlington MA, c/o Laura Wiener

To: Board of Selectmen

From: Transportation Advisory Committee Subject: Parking in Arlington Center

Date: May 20, 2013

Town Meeting Action

In spring, 2012, Town Meeting voted for a parking study (Article 54--"for investigation and implementation of paid parking"), with no funding allocation. A TAC Working Group was formed in August to start the process of looking at parking in Arlington Center with little or no funding. The Arlington Center Parking Working Group is made up of the following members:

- Howard Muise (TAC Co-chair)
- Officer Corey Rateau (Police, TAC, and Selectmen's Parking Committee)
- Scott Smith (TAC and ABAC)
- Paul Kent (TAC and Chamber of Commerce)
- Marie Krepelka (Selectmen's Parking Committee)
- Laura Wiener (Planning Dept. and TAC).

The goal of the Working Group was to collect data and identify potential measures to improve the efficiency and management of parking in Arlington Center, both on street and in municipal lots. In conducting the study, the working group identified the following information needed to conduct the study:

- Overall adequacy of the Town center parking supply
- Turnover (average length of stay) and utilization of on-street short-term parking
- Utilization of Russell, Railroad and Library parking lots
 - Metered parking
 - Permit parking

TAC allocated \$2000 from its account, and the Planning Department allocated \$2000 to hire a contractor to collect data on parking in Arlington Center. Counts were conducted between 8:00 a.m. and 8:00 p.m. on Thursday November 15 and Saturday November 17, 2012.

Issues

The following issues were identified during the course of the study:

- There is a mix of one- and two-hour spaces on Massachusetts Avenue. Except for a limited number of 15-minute spaces, should there be a uniform time limit for parking on Massachusetts Avenue?
- Should on-street spaces be metered to assure turnover and adequate short-term parking for customers?
- Monthly permits can be purchased for all day parking in the Russell Lot. Should a mechanism be provided to allow all-day parking for infrequent parkers?
- The meters in the Russell and Railroad Lots are unreliable, difficult to use (e.g., difficult to read in bright sun), and place the user in the drive aisles.

Findings

The following summarizes the results of the parking counts in Arlington Center:

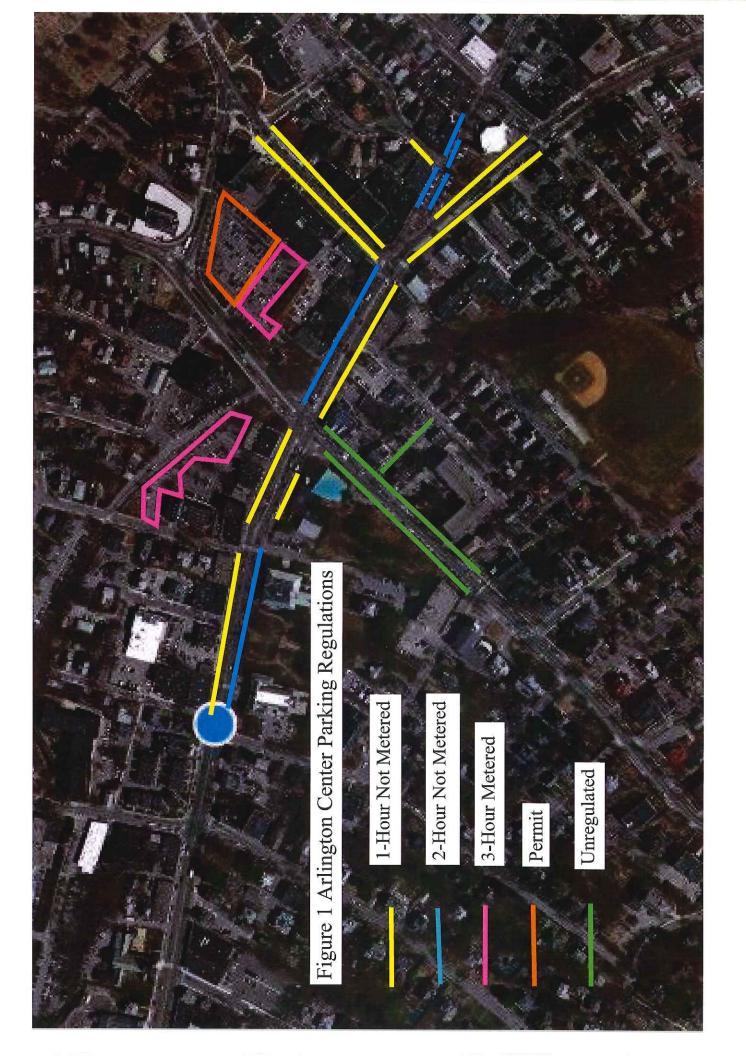
- A total of 565 parking spaces are available in Arlington Center in the following locations (see Figure 1):
 - Massachusetts Avenue between Academy Street/Central Street and Franklin Street
 - o Broadway Plaza
 - o Broadway between Franklin Street and Alton Street
 - o Alton Street south of Benton Street
 - Medford Street south of Compton Street (St. Agnes Church)
 - Pleasant Street between Massachusetts Avenue and Maple Street/Lombard Road
 - o Swan Street
 - o Library Parking Lot
 - o Russell Common Municipal Lot
 - o Railroad Lot

The Arlington Center on-street parking supply is shown below:

Arlington Center Parking Supply

| Type of Space | On Street | Public Lots | Total |
|---------------|-----------|-------------|-------|
| 15 Minute | 5 | 0 | 5 |
| One Hour | 103 | 0 | 103 |
| Two Hour | 63 | 0 | 63 |
| Three Hour | 0 | 208 | 208 |
| Permit | 0 | 123 | 123 |
| Unrestricted | 38 | 0 | 38 |
| Handicap | 4 | 15 | 19 |
| Taxi | 4 | 0 | 4 |
| Zipcar | 0 | 2 | 2 |
| Total | 217 | 348 | 565 |

• The following table shows peak weekday utilization of regular spaces (not including handicap, taxi or 15-minute spaces) by type of space for the on-street parking and municipal lots. Peak utilization of regular spaces occurred between 6:00 and 7:00 p.m. with 93 percent of the spaces occupied. On-street spaces were nearly fully occupied during that hour. Utilization between 7:00



and 8:00~p.m. was almost as high. The busiest time during day time hours was at 1:00~p.m. with 77~percent utilization.

Weekday Utilization of Regular Spaces

| | | Utilization : | 1:00 p.m. | Utilization (| 6:00 p.m. |
|-----------------------------|----------|---------------|-----------|----------------------|-----------|
| Type of Space | Capacity | No. of Cars | Percent | No. of Cars | Percent |
| On-Street | | | | | |
| One Hour | 97 | 87 | 90% | 100 | 103% |
| Two Hour | 63 | 61 | 97% | 66 | 105% |
| Unrestricted | 38 | 31 | 82% | 34 | 89% |
| Total | 198 | 179 | 91% | 200 | 98% |
| On-Street | | | | | |
| Parking Lots | | | | | |
| Three Hour | 143 | 76 | 53% | 118 | 83% |
| Permit | 123 | 96 | 78% | 123 | 100% |
| Library | 65 | 57 | 88% | 60 | 92% |
| Total Lots | 331 | 229 | 69% | 291 | 88% |
| Total On-Street and Lots | 529 | 408 | 77% | 491 | 93% |

• The following table shows peak Saturday utilization by type of space for the on-street parking and municipal lots for general use spaces (not including handicap, taxi or 15-minute spaces). Peak utilization of the total parking supply occurred between 11:00 a.m. and 12:00 p.m. with 77 percent of the general use spaces occupied. On-street parking was fully utilized at that time. The busiest hour in the evening was between 7:00 and 8:00 p.m. with 64 percent occupancy. The on-street and non-permit spaces in the Russell and Railroad lots were 84 percent utilized at that time.

Saturday Utilization of Regular Spaces

| | | Utilization 1 | 1:00 a.m. | Utilization ' | 7:00 p.m. |
|-----------------------------|----------|---------------|-----------|---------------|-----------|
| Type of Space | Capacity | No. of Cars | Percent | No. of Cars | Percent |
| On-Street | | | | | |
| One Hour | 97 | 112* | 115% | 88 | 91% |
| Two Hour | 63 | 62 | 98% | 63 | 100% |
| Unrestricted | 38 | 37 | 97% | 14 | 89% |
| Total | 198 | 211* | 107% | 165 | 83% |
| On-Street | | | | | |
| Parking Lots | | | | | |
| Three Hour | 143 | 142 | 99% | 121 | 85% |
| Permit | 123 | 81 | 66% | 30 | 24% |
| Library | 65 | 67 | 103% | 24 | 37% |
| Total Lots | 331 | 290 | 88% | 175 | 53% |
| Total On-Street and Lots | 529 | 408 | 77% | 340 | 64% |

^{*} Includes double parking for church service on Medford Street

Transportation Advisory Committee Members:

Elisabeth Carr-Jones, Wayne Chouinard, Jean Clark, Paul Kent, Jeff Maxtutis, Howard Muise, Officer Corey Rateau, Scott Smith, Edward Starr, Richard Turcotte, and Laura Wiener Web site; www.arlingtonma.gov/tac

- The following table shows that between 9:00 a.m. and 6:00 p.m. the average length of stay in the one-hour on-street spaces was 1.5 hours. Each space was occupied by an average of 4.7 vehicles over the nine hours.
- Between 9:00 a.m. and 6:00 p.m. the average length of stay in the two-hour onstreet spaces was 1.6 hours. Each space was occupied by an average of 5.0 vehicles over the nine hours.
- About 27 percent of vehicles exceeded the time limit in the one-hour space.
- About 8 percent of vehicles exceeded the time limit in the two-hour spaces.
- About 5.5 percent of all vehicles parked for more than three hours.

Turnover and Average Length of Stay in On-Street Spaces

| | One-Hour Spaces | Two-Hour Spaces |
|-----------------------------------|-----------------|-----------------|
| Number of Spaces | 97 | 63 |
| Total Number of Vehicles Parked | 452 | 314 |
| Average Turnover* | 4.7 | 5.0 |
| Average Length of Stay (in hours) | 1.5 | 1.6 |
| Number/Percent of Vehicles Parked | | |
| more than One Hour | 120/27% | N/A |
| Number/Percent of Vehicles Parked | · | • |
| more than Two Hours | 46/10% | 24/8% |
| Number/Percent of Vehicles Parked | · | , |
| more than Three Hours | 27/6% | 16/5% |

Average number of vehicles occupying each space over the course of the nine hours between 9:00 a.m. and 6:00 p.m.

Recommendation and Scope for Further Study

The Capital Planning Committee allocated \$30,000 for a parking study in FY 2014. Based on the observations listed above, additional study should be undertaken to address the issues noted earlier. The recommendation of TAC and the Planning staff is to hire a consultant to conduct further study of parking in Arlington Center, using data already collected. The following is the recommended scope for this additional study, which will produce recommendations to the Town for operating and managing the Arlington Center parking supply:

- 1) Goals of the study are to identify:
 - a) Existing usage patterns
 - b) Existing revenues and costs to maintain the town center parking supply
 - c) Potential measures to manage the existing parking supply more efficiently
 - d) User-friendly long-term parking for employees
 - e) Convenient parking for customers
 - f) Alternatives for pricing, including free parking, for various locations to meet the two previous goals
 - g) Revenues and costs associated with various pricing alternatives
 - h) Appropriate time limits for various locations
 - Measures to reduce parking demand where possible, with strategies such as "park once", and promoting alternative modes such as transit, bicycles and walking

- 2) Identify best management for various pricing alternatives:
 - a) Equipment type and location (Smart Meters, Parkmobile)
 - b) Enforcement
 - c) Signage
 - d) Maintenance of signage and meters
 - e) Revenue collection and allocation
- 3) Prior to adoption of a Parking Plan, consider the following:
 - a) Improving directional signage to public parking and internal signage indentifying types and locations of spaces in lots
 - b) Making all on-street spaces two-hour spaces