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# Evaluating Alternative Toll-Based Financing Approaches: A Case Study of the Boston Metropolitan Area

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**EVALUATING ALTERNATIVE TOLL-BASED FINANCING APPROACHES:  
A CASE STUDY OF THE BOSTON METROPOLITAN AREA**

A Thesis Presented

by

ROSARIA M. BERLINER

Submitted to the Graduate School of the  
University of Massachusetts Amherst in partial fulfillment  
of the requirements for the degree of

MASTER OF SCIENCE IN CIVIL ENGINEERING

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Department of Civil and Environmental Engineering  
Transportation Engineering

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## **ABSTRACT**

EVALUATING ALTERNATIVE TOLL-BASED FINANCING APPROACHES:

A CASE STUDY OF THE BOSTON METROPOLITAN AREA

MAY 2011

ROSARIA M. BERLINER, A.B., MOUNT HOLYOKE COLLEGE

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The current condition of the nation's transportation system is of great concern to State Departments of Transportation. Currently, funds in many state transportation budgets are depleting. Nowadays, State DOT officials together with researchers are exploring various transportation financing approaches and they are considering the utility, merits, challenges, and impacts of these approaches.

A major financing approach being considered relies on the collection of tolls on existing toll roads and on roads on which tolls are not presently collected. Recent technology advancements in Open Road Tolling and All-Electronic Tolling have provided State DOTs with the opportunity to consider expanding the use of toll revenue to finance transportation investments. These two types of tolling technologies appeal to motorists by allowing them to maintain their current highway speed while going through a toll plaza. In addition, many State DOT officials now view toll based approaches as viable "user fee" based strategies together with other alternative approaches such as the fuel tax and sales tax.

Central to this research is a case study of the Boston Metropolitan area. The case study includes the formulation and preliminary evaluation of toll based financing

approaches potentially suitable for consideration in Massachusetts. The approaches include increases to existing tolls and placing tolls on selected roadways not currently tolled. The evaluation includes estimates of changes in demand and anticipated revenues associated with these toll based approaches. It is expected that the results of this research will be of interest to State DOT officials in Massachusetts and other states.

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## **CHAPTER 1**

### **INTRODUCTION**

The current condition of the nation's transportation system is of great concern to State Departments of Transportation (DOT). Currently, funds in many state transportation budgets are depleting. At the present time, State DOT officials together with researchers are exploring various transportation financing approaches and they are considering the utility, merits, challenges, and impacts of these approaches.

A major financing approach being considered relies on the collection of tolls on existing toll roads and on roads on which tolls are not presently collected. Recent technology advancements in Open Road Tolling and All-Electronic Tolling have provided State DOTs with the opportunity to consider expanding the use of toll revenue to finance transportation investments. These two types of tolling technologies appeal to motorists by allowing them to maintain their current highway speed while going through a toll plaza. In addition, many State DOT officials now view toll based approaches as viable "user fee" based strategies together with other alternative approaches such as the fuel tax and sales tax.

## **CHAPTER 2**

### **OBJECTIVES OF THE RESEARCH**

The objectives of this research are as follows:

- **Review the experiences and lessons learned** with toll based financing approaches to provide revenue to finance toll road improvements and other transportation investments.
- **Identify the financing questions** of interest to State Departments of Transportation with an emphasis on the questions, issues, challenges, merits, and impacts associated with the evaluation and implementation toll based financing approaches as they compare to other alternative approaches. Examples of such questions are:
  - What are the major financing approaches available to State DOTs to support surface transportation investments?
  - Should tolls be considered as a major approach along with other approaches such as the fuel tax and/or a sales tax?
  - Should current toll levels be increased and should innovative pricing strategies be employed?
  - Should tolls be charged on existing roads where tolls are not currently collected such as state borders and at other locations?
  - What level of revenue can be expected from such toll based approaches and strategies as compared to other approaches and what analytical methods might be used to make these revenue estimates?

- What innovative technologies might be used to facilitate the collection of tolls and what are the expected capital and operating costs?
- **Contribute to the state of practice** by improving our understanding of the alternative financing approaches being considered by State DOTs and the relative levels of revenue that might be generated with such financing approaches. More specifically, the results of this research are expected to shed light on the contribution toll based approaches are able to make relative to the fuel tax and a sales tax. Finally, the results of the research are intended to illustrate the application of simplified analytical methods to estimate the level of revenues expected from toll based approaches.

## **CHAPTER 3**

### **BACKGROUND AND RELATED WORK**

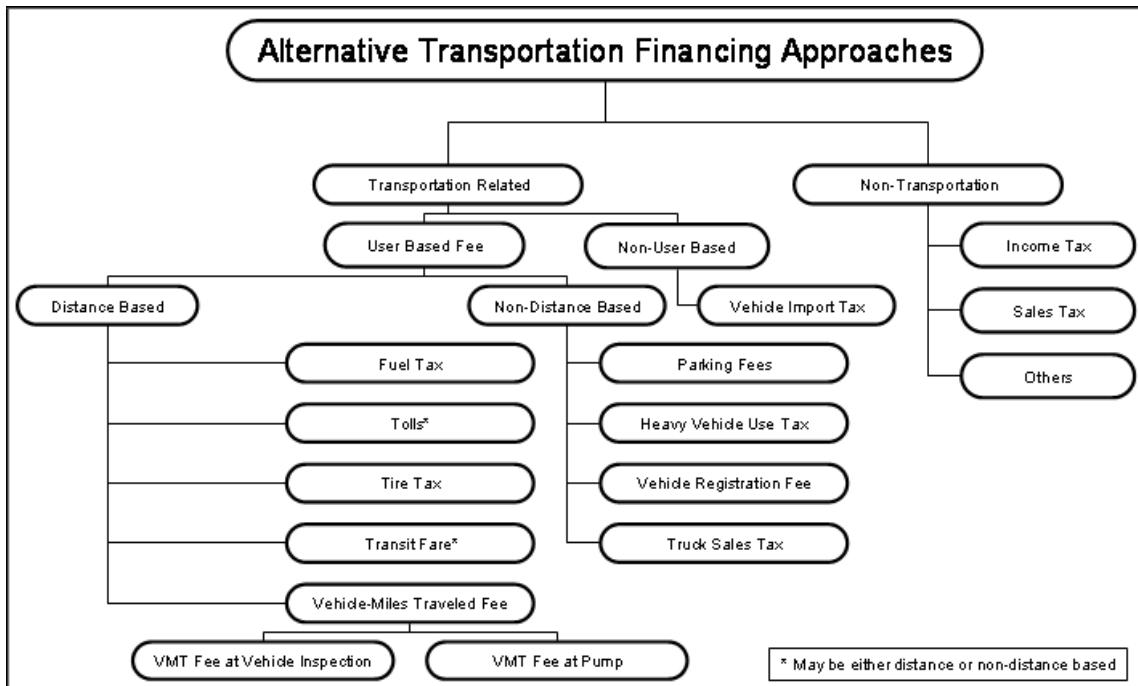
As we dive deeper into the economic recession, our nation's roadways continue to deteriorate and transportation funds need to be replenished. In order to restore our nation's roadways to acceptable physical and operating conditions and allow for new transportation projects, various states have invested in researching and developing alternative finance approaches. Oregon, Iowa, Minnesota, New York, along with other states have focused on developing better toll payment systems and other user fee based approaches.

To date, tolls have been considered as appropriate sources of revenue. Initiatives in various forms of tolling have been explored nationally and internationally to fully reap their benefits. A number of states have been at the forefront when it comes to employing innovative toll policies and collection strategies including open-road tolling, cashless tolling, border privatization of toll roads, border tolling and other toll revenue and collection innovations.

What follows is an overview of common financing approaches being used by State DOTs; a more detail description of the innovative toll based approaches being implemented in the U.S.; and a discussion of the issues considered in the design of appropriate financing approaches; and a brief review of the capital and operating costs to implement these toll based approaches.

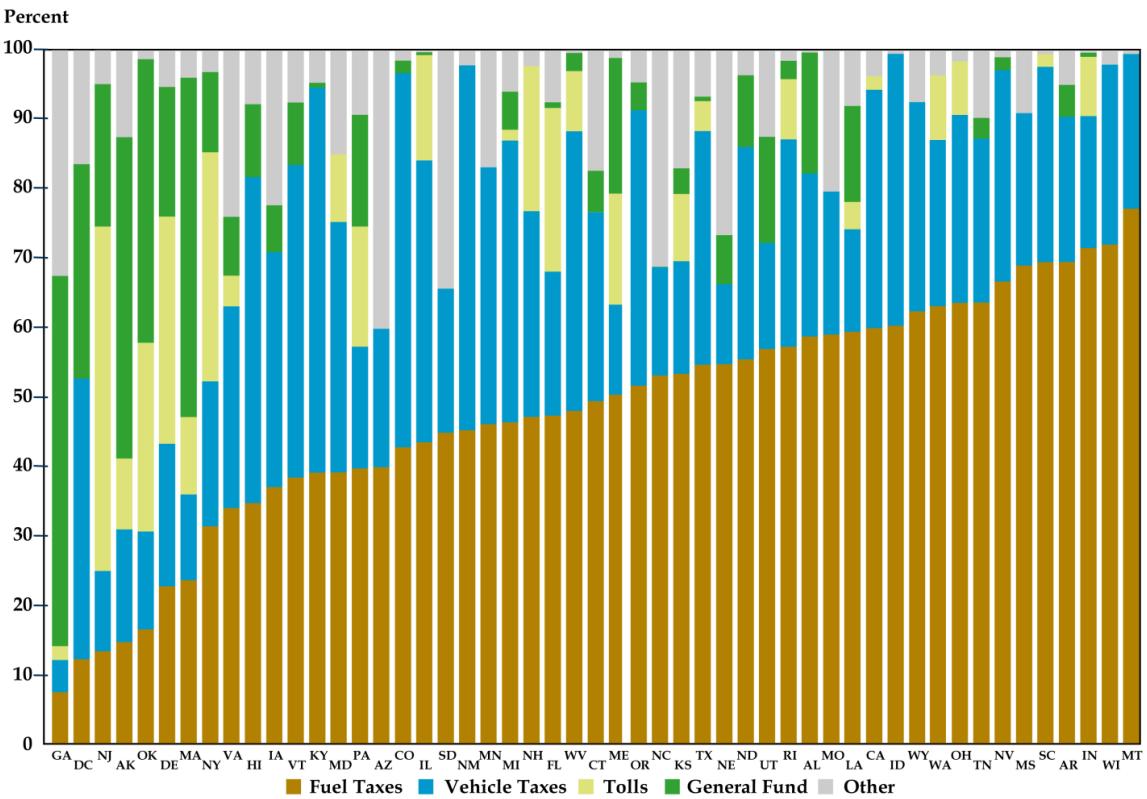
### 3.1 Alternative Financing Approaches

As shown in Figure 1, alternative financing approaches for transportation can be broken down into two groups: transportation and non-transportation related. (16)



**Figure 1. Alternative Transportation Financing Approaches**

In the non-transportation group, states have the ability to use the income and sales taxes as a means to finance transportation. It is not uncommon for some states to use a portion of their sales tax to fund public transit. Within the transportation group, state officials will rely on fees including the fuel tax, tolls, tire tax, and in some cases a vehicle-miles traveled fee. Figure 2 shows by state the different financing approaches used in 2004. (15)



Source: 2004 Highway Statistics, Table SF-1

**Figure 2. Transportation Revenue Sources, State by State, 2004.**

Another financing approach being considered by State DOTs is the so-called vehicle-miles traveled (VMT) fee which could be paid at the pump or at an inspection station. The Oregon Department of Transportation ran a pilot program in 2006 showcasing the possibility of paying a VMT at the pump. (16)

More recently, initiatives in alternative financing approaches undergone by Texas DOT, the New York State Thruway Authority and the New York MTA indicate promise for technological advancement in toll collection throughout the country. These initiatives are reviewed below.

### **3.2 Toll Based Financing Approaches**

#### **3.2.1. ORT**

At approximately 5am, Friday, May 14, 2010, the Highway Speed E-ZPass toll lanes at the Woodbury Toll Plaza opened on the New York State Thruway (NY Thruway). It is the first location on the Thruway that bolsters open-road tolling (ORT) for both passenger and commercial vehicles. (1) These lanes allow vehicles to pass through the intersection at the highway speed of 65mph. A similar initiative was undergone in 2007 at the Spring Valley Toll Plaza; however, the toll plaza only serves commercial vehicles. Four highway speed lanes have been added to the toll plaza two in each direction. (2) The \$85 million project is envisioned to be successful. Although the Highway Speed E-ZPass lanes have been opened construction was scheduled to be completed in September 2010. (3) More than 42,000 vehicles pass through the toll plaza on an average day and that number rises to 62,000 per day during the summer and holiday weekends. (1, 5, 6) The NY Thruway Authority decided to proceed with the project in this location because of the heavy congestion seen daily at the toll plaza. (2) The new high speed lanes will reduce congestion in the entire toll plaza, increase capacity, and reduce the adverse effects on the environment. New York officials have been very excited about the project stating that it will help in New York's dedication to creating a greener State. (1)

### **3.2.2 AET**

Announced in the Making Every Dollar Count report released by the Metropolitan transportation Authority (MTA) in January 2010, the Henry Hudson Bridge is the MTA's first test location for a non-stop all electronic toll collection site. (7) This is a two phase project. Phase 1 which introduces a gateless tolling scheme, where gates will be removed and cameras will be installed for enforcement barriers will remain intact is scheduled to be completed in mid-January 2011. Phase 2, which will eliminate cash collection completely and the entire toll plaza will turn to all-electronic toll collection, is scheduled to be completed by January 2012. (8) The project is expected to cost about \$10 million with phase 1 costing about \$4.6 million and phase 2 costing about \$5.4 million. (8) The Henry Hudson Bridge toll plaza will be the first AET collection plaza in an urban and densely populated area. (9)

The Henry Hudson Bridge was chosen for the following reasons: there are no nearby entries and exits and thus there are potential savings from not proceeding with an otherwise necessary rebuild of the toll plaza; there is a high out-of-state component to the traffic (NJ, CT, PA drivers) so interstate collection can be tested; the Parkway serves cars-only so there are no vehicle classification complications; and the Parkway is a medium sized facility with 60,000 to 70,000 transactions/day. (8)

During Phase 1 they plan to remove the gate and install cameras. Initially, the cameras will be used to identify violators and later (more likely in Phase 2) to do toll-by-plate of vehicles without a transponder. There is a proposed violation fee of \$50 for those who do not have a transponder during Phase 1; however, the fee is anticipated to be revenue neutral the income from the fees are designed to offset the cost of collection and

inescapable toll revenues. (8) Phase 2 will begin around January 2012 when the plaza will go cashless. From this point on and conditions permitting, all traffic will go through the plaza and toll at highway speed. Payment will be accepted through various means: on-line, phone, mail, or payment agencies. (8) MTA Bridges and Tunnels President Jim Ferrara says the new traffic pattern leading into Manhattan will result in a smoother transition for drivers coming onto the Bridge from the two-lane Henry Hudson Parkway.

(9)

### **3.2.3 Texas Tolling**

The Central Texas Turnpike System (CTTS), in Texas, opened three turnpikes, SH130 tolls 1-4, SH45 North, and Loop 1 in 1998. Each roadway is equipped with Open Road Tolling (ORT), video tolling, and traditional cash tolling that are used concurrently as means of toll payment. In center lanes, highways are ORT is used in conjunction with video tolling. In order to use the system developed in Texas, users either sign up for a TxTag, a transponder placed inside the vehicle. The TxTag uses a system similar to that of the Fast Lane and EZ-Pass passes in which users create an account from which funds are drawn or to which charges are billed. If the user does not sign up for the TxTag, they are still able to use the highway speed toll lanes and are tolled by video tolling. In CTTS' case, video tolling has progressed beyond violation detection to general toll payment. Any vehicle that passes through the ORT facility that does not have a transponder has their license plate captured on video. This picture is then processed and the registered owner of the vehicle receives a bill in the mail, dubbed "Pay by Mail." Processing and late fees are applied if the bill is not paid on time. Additionally, CTTS has cash toll lanes

on these roadways to allow the user to pay in cash if they so choose. Since its inception, more turnpike sections have been developed. The North Texas Tollway Authority (NTTA) currently operates two toll roads with AET. These roads either use ORT and video tolling or just ORT. In instances where the roadway is only ORT, users have to have a transponder.

Over the two year period, from 2007 to 2008, the CTTS processed about 99 million toll transactions. More than half of these transactions used the ORT/video tolling. In 2009, CTTS had 73 million transactions, generating about \$59 million from tolls. The total revenue for 2009 was \$61,674,500. About 74% of vehicles used a transponder on the turnpikes. About 17% of the toll transactions used the video tolling system and 9.3% of the transactions used the old cash system. (12)

Since, video tolling costs more than using transponders due to image processing, CTTS charges 25% more for “Pay by Mail” than by transponder, plus a \$1.00 processing fee. To encourage users to sign up for a transponder, each “Pay by Mail” bill comes with literature and an application for a transponder. There has been about 20% non-payment of video tolls. Texas does not use refusal of renewal of registration for unpaid tolls so they have to take violators to Justice of the Peace courts—this has made it difficult for the state to collect toll payments. Unbillable tolls, from poor license plate reads are about 2% of total transactions, 11% of total plate reads. TxDot/CTTS outsources plate readings to a company that uses optical character recognition (OCR). Unbillable tolls were due to poor image quality, obscured plates, US Government plate, non-US plate or no license plate because no address could be found in the DMV vehicle registration database. (13) Factors that affect license plate identification/recognition (LPI/R) readings include, poor

image resolution, blurry images, poor lighting and contrast, obscured plates, out of state or vanity plates, and circumvention techniques.

### 3.2.4 NCHRP

In 2006, the National Cooperative Highway Research Program (NCHRP) released Synthesis 364: Estimating Toll Road Demand and Revenue. This synthesis gives a detailed analysis of toll road forecasting in terms of demand changes and revenue changes. Through the use of the four-step process NCHRP contributors affirm that changes in demand can be modeled and estimated.

“The demand for travel is a derived demand.” (14) There are several factors that need to be considered when deriving demand: human activities, demographic location, socioeconomic issues, as well as land-use. In order to create a successful model, the four-step model is created using a three step process: input, process, and output. The “inputs” are defined to be factors such as zone definition, land-use inputs, transportation network, and observed travel characteristics. Secondly, the process is where the “four-step” process earns its name. The process is comprised of four steps which are trip generation, trip distribution, modal split, and trip assignment. The final part of the four-step process composition is the outputs. The outputs are “volumes by link and ridership numbers.” (14) These numbers can be used to identify costs and revenues of a tolled facility.

As previously implied, there is a relationship between demand and revenue forecasts in that “revenue forecasts are **dependent** on travel demand forecasts and the assumptions on which the travel forecasts were based.” It is not surprising that there is a proportional relationship between the uncertainty in revenue forecasts and the uncertainty

in travel demand forecasts. Moreover, revenue forecasts are dependent on the tolling technology, fare, and structure (schedule). Tolling schemes sometimes include discounts for electronic tolling, such as the FastLane pass, or multipass users, heavy vehicle fares, and variable tolling practices. “Increases in toll rates can also affect the demand, especially as some authorities have elected to increase toll rates more sharply than projected to quickly generate revenues in the short term.” (14)

Calculating estimated toll revenues is similar to peeling an onion: as the tolling scheme becomes more complex, more layers of considerations are made. In general, travel demand forecasts are developed for a weekday peak hour or peak period. In order to apply generalized daily and yearly traffic volumes, conversion factors are used. Furthermore, revenue is then estimated by multiplying the forecast volume by the toll amount taking into account different toll rates, toll evasion, and discounts.

### **3.2.5 Implementation Costs**

Within the context of this research, there are two sets of capital and operating costs that need to be considered: costs for the Massachusetts’ Turnpike (an existing toll road) and costs for Interstate 93 (a road on which tolls are not currently collected). Since no construction or structural changes will be made to the Massachusetts’ Turnpike estimating those capital and operating costs are relatively simple to determine; whereas with Interstate 93, the literature on Open-Road and video tolling needed to be reviewed to shed light on this project.

Capital cost estimates include items such as transponder costs, processing center, and telecommunication systems. Furthermore the cost of minor items is included in the

contingency component, which is usually about 10% of the total itemized capital costs. Operational cost estimates consider major items: maintenance and salary and benefits associated with toll road personnel.

In 2009, the operating expenses for the western portion of the Massachusetts' Turnpike were \$66,696,000 for the fiscal year. (17) Repair and reconstruction costs for the western portion of the Massachusetts' Turnpike in 2007 were \$8,000,000. Moreover, for the 2007 fiscal year the operations and policing costs for the Boston Extension was approximately \$52,000,000. The repair and reconstruction costs for the Boston Extension were about \$12,000,000 for the year 2007. (18) Since there would be no "new" construction for this project, the capital cost to increase the existing tolls on the Massachusetts' Turnpike portions is assumed to be \$0.00.

In 2004, the New York State Thruway Authority estimated that they would spend between \$30 and \$50 million for each highway speed toll plaza installed on the Thruway – 6 years later the actual cost for the new toll plaza that opened in May 2010 was about \$75 million. (2, 19) On the other hand, the All-Electronic Tolling project being done on the Henry Hudson toll plaza is contracted for about \$10 million. The magnitude of the proposed project for Interstate 93 better aligns with the Henry Hudson toll plaza because each on ramp can be considered a "medium-sized" facility. Since the ownership of transponders for the Boston metropolitan area is unknown, it is assumed that the Commonwealth will spend approximately 10% of the capital costs on this equipment, about \$1 million. Therefore, a preliminary order of magnitude estimate of the capital costs for the implementation of tolls on Interstate 93 is \$111 million. The capital costs are projected to be \$111 million because there are 11 exits that are being considered and it is

estimated that each exit will cost approximately \$10 million. Since the Henry Hudson toll plaza is a two level plaza, it is not unreasonable to group the north and southbound exits in to one estimate.

In a side by side comparison of Interstate 93 and the Henry Hudson, it is shown that the average annual daily traffic (AADT) at each exit on Interstate 93 is lower than the Henry Hudson toll plaza. Furthermore, the \$75 million used for the Woodbury toll plaza in Upstate New York was used for the construction of the toll plaza as well as additional repairs to the current toll booths and roadway.

The anticipated operating costs on I-93 would include personnel and repairs and maintenance. It was assumed that there would be about 30 personnel hired by MassDOT to manage the AET I-93 project. The average salary of personnel for the Massachusetts Turnpike was assumed to be \$70,000 a year. Additionally, it is assumed that the maintenance cost of the Interstate 93 facilities will be about \$200,000 annually or 15% of the equipment capital costs and 5% of the processing center costs.

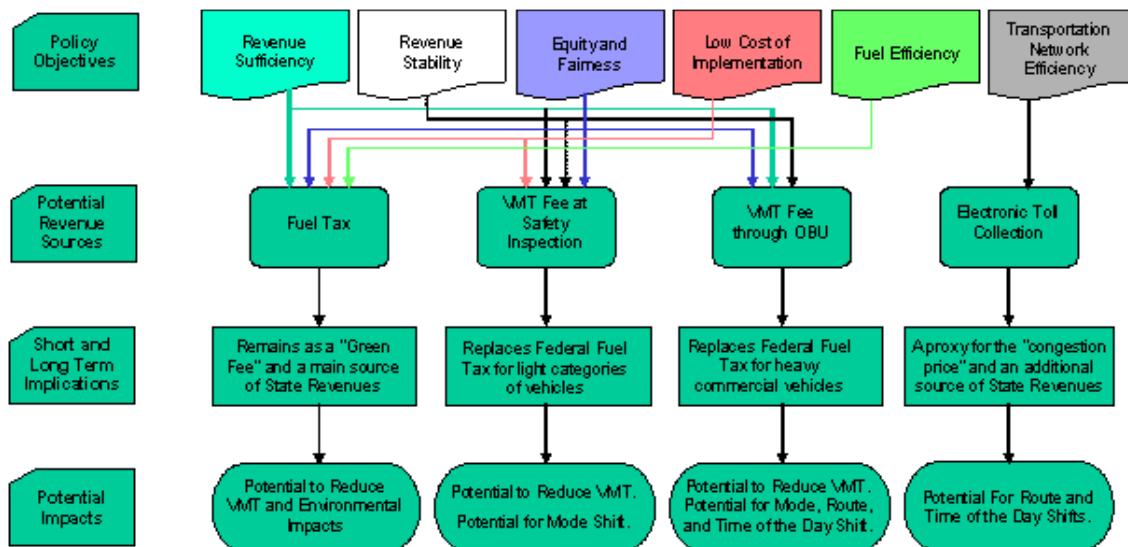
### **3.3 Designing Appropriate Transportation Financing Approaches**

The design of an appropriate financing approach is not a trivial task. As part of the design process, State DOT officials consider a number of questions including:

- What are the major financing approaches available to State DOTs to support surface transportation investments?
- Should tolls be considered as a major approach along with other approaches such as the fuel tax and/or a sales tax?

- Should current toll levels be increased and should innovative pricing strategies be employed?
- Should tolls be charged on existing roads where tolls are not currently collected such as state borders and at other locations?
- What level of revenue can be expected from such toll based approaches and strategies as compared to other approaches and what analytical methods might be used to make these revenue estimates?
- What innovative technologies might be used to facilitate the collection of tolls and what are the expected capital and operating costs?

Figure 3 presents a framework that suggests that there are four major elements that need to be considered in the design and evaluation of a transportation financing approach including establishing policy objectives; determining revenue sources; identifying short and long term implications; and assessing impacts. (16)



**Figure 3. Alternative Finance Approaches Framework.**

As depicted in Figure 3, the Fuel Tax, VMT Fee at Safety Inspection, and VMT through OBU (On-Board Unit), all have implications within revenue sufficiency, revenue

stability, equity, and low cost implications. It is important to note in light of the objectives of this research that all electronic toll (AET) collection has proven in certain cases to be successful in the collection of an adequate, stable, equitable, and fuel efficient source of revenue. Furthermore, in cases where the route is heavily traveled (such as Interstates 90 and 93) there is an expectation of revenue stability, because the demand for toll road service has been shown historically on existing toll roads to be inelastic with respect to changes in toll levels. Moreover, implementing tolls on roadways that are not currently tolled, as is the case with North South Interstate 93, has the potential to satisfy equity concerns vis a vis those who pay tolls on the East West Mass Turnpike. In addition, implementing a congestion pricing scheme on Interstate 93 may reduce travel time for those traveling during the peak hours.

## **CHAPTER IV**

### **RESEARCH METHODOLOGY**

#### **4.1 Research Objectives**

As presented in section 2, the research objectives are as follows:

- **Review the experiences and lessons learned** with toll based financing approaches to provide revenue to finance toll road improvements and other transportation investments.
- **Identify the financing questions** of interest to State Departments of Transportation with an emphasis on the questions, issues, challenges, merits, and impacts associated with the evaluation and implementation toll based financing approaches as compared to other alternative approaches. Examples of such questions are:
  - What are the major financing approaches available to State DOTs to support surface transportation investments?
  - Should tolls be considered as a major approach along with other approaches such as the fuel tax and/or a sales tax?
  - Should current toll levels be increased and should innovative pricing strategies be employed?
  - Should tolls be charged on existing roads where tolls are not currently collected such as state borders and at other locations?
  - What level of revenue can be expected from such toll based approaches and strategies as compared to other approaches and what analytical methods might be used to make these revenue estimates?

- What innovative technologies might be used to facilitate the collection of tolls and what are the expected capital and operating costs?
- **Contribute to the state of practice** by improving our understanding of the alternative financing approaches being considered by State DOTs and the relative levels of revenue that might be generated with such financing approaches. More specifically, the results of this research are expected to shed light on the contribution toll based approaches are able to make relative to the fuel tax and a sales tax. Finally, the results of the research will illustrate the application of simplified analytical methods to estimate the level of revenues expected from toll based approaches.

## 4.2 Tasks

In order to achieve the research objectives, the following tasks should be accomplished:

Task 1: Review literature signifying the importance of alternative finance approaches in transportation.

Task 2: Describe the toll approaches to be evaluated and their intended policy objectives.

Task 3: Conduct a case study by formulating toll based approaches and estimating changes in demand and expected revenues using elasticity methods.

A description of each task is provided below.

### 4.2.1 Task 1: Carry out Literature Review

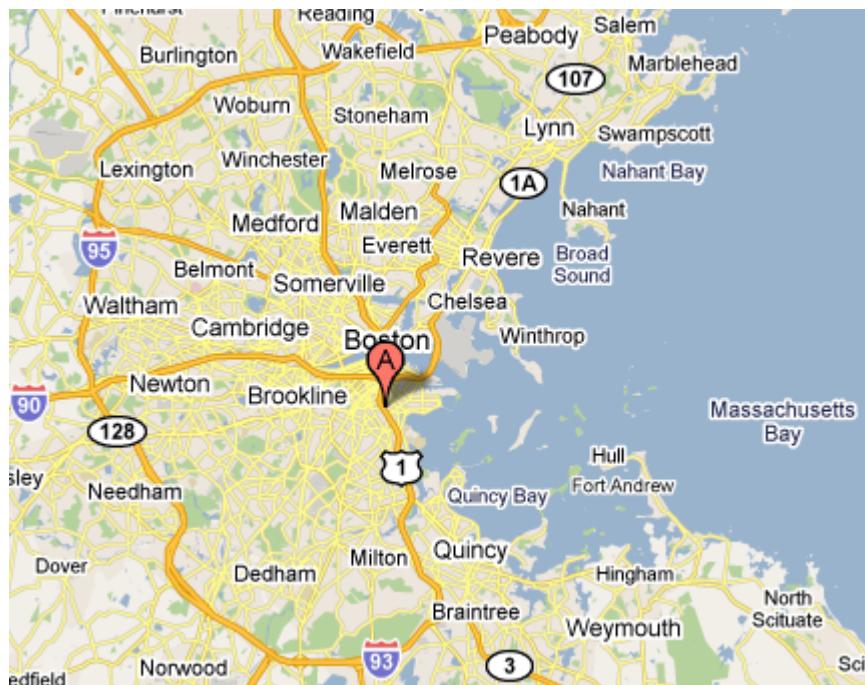
Task 1 will consist of a literature review on the subject of transportation financing. Literature will be drawn from government reports, scholarly journal articles, university research reports, and other sources. An emphasis will be placed on reviewing

ongoing toll road projects in Texas, New York, and other states in which innovative toll strategies and technologies are being considered. In addition, widely used analytical methods for estimating toll revenues will be described. Finally, the issues, questions, and concerns of interest to State DOT officials as they consider alternative financing approaches regarding will also be discussed. These questions will be used as a basis in the formulation of the alternative financing approaches formulated in Task 2 and in conduct of the case study in Task 3.

#### **4.2.2 Task 2: Formulate Alternative Financing Approaches**

There are three toll based financing approaches that will be evaluated as part of this research. These three approaches are:

1. Increase tolls on Interstate 90 by 10% each year and impose no tolls on Interstate 93
2. Increase tolls on Interstate 90 for one year and impose a flat rate toll of \$1.00 on Interstate 93
3. Increase tolls on Interstate 90 for one year and impose a \$1.00 toll on Interstate-93 as well as a congestion toll of an additional \$0.50 during the peak travel periods.



**Figure 4. Boston Metropolitan Area Map**

Figure 4 depicts the Boston metropolitan area. To the left of the “A” marker, lies Interstate 90 (also known as the Massachusetts Turnpike). North and south of the marker from Braintree to Woburn lies Interstate 93—the highway on which toll implementation is being considered.

The expectation is that raising tolls (including congestion pricing strategies) on the currently tolled Interstate 90 and imposing similar toll strategies on Interstate 93 will generate additional revenue for future transportation investments and possibly reduce peak period congestion.

#### 4.2.3 Task 3

Based on current revenue and demand data and other information compiled by the Central Transportation Planning Staff (CTPS) and others on the East-West Interstate 90 (also referred to as the MassPike) and the North-South Interstate 93, changes in demand and expected revenue along both roadways will be examined for three proposed toll

based approaches using empirically derived toll elasticity values in conjunction with sensitivity analyses.

As stated in Task 2, there are three toll based financing approaches that will be evaluated. These three approaches are:

1. Increase tolls on Interstate-90 by 10% each year and impose no tolls on Interstate-93
2. Increase tolls on Interstate-90 for one year and impose a flat rate toll of \$1.00 on Interstate-93
3. Increase tolls on Interstate-90 for one year, impose a \$1.00 toll on Interstate-93 as well as a congestion toll of an additional \$0.50 during the peak travel periods.

The data supplied by CTPS will allow for the generation of a model for the North-South roadways surrounding the Boston metropolitan area that are not tolled. Using the data, estimates will be developed that map the change in demand experienced when tolls are installed on these roadways on which tolls are not presently collected. This change in demand will then be used to estimate revenue for the new tolls. On Interstate 93 changes in demand and revenue for a \$1 and \$1.50 toll as well as a incorporating a congestion pricing scheme will be evaluated. For Interstate 93, open-road tolling technology as well as all-electronic payment technology would be the only toll collection option considered, in order to maintain the current flow of traffic.

CTPS data also will be used to further analyze changes in demand and revenue when the toll fares on Interstate 90 are increased. Using this data, changes in demand based on increased toll fares are estimated. Furthermore, after having calculated the demand change, the change in revenue can also be calculated.

## CHAPTER V

### RESEARCH ANALYSIS AND RESULTS

#### **5.1 Demand and Revenues**

Demand and revenue forecasting is never a simple task. Multiple variables need to be considered when approximating changes in demand. The sections below thoroughly outline and describe analytical methods used to estimate changes in demand on roadways when; a) tolls are increased on roadways that currently have tolls; b. tolls are implemented on roadways that are not currently tolled. Two methods of analysis were used: point elasticity and iterative arc elasticity.

##### **5.1.1 Mass Turnpike: The Boston Extension**

In January 2010, Cambridge Systematics (CS) prepared a report for the Massachusetts' Department of Transportation that focused on traffic and revenue in the Commonwealth of Massachusetts. This report details the toll transactions, toll revenues, and average toll on the Boston Extension of the Massachusetts' Turnpike. The Boston Extension includes exits 15 to 26 on the Massachusetts' Turnpike. Geographically users who travel on the Boston Extension can travel between Newton, Massachusetts and Logan International Airport. Using this data, an approximated yearly revenue was generated using an elasticity based method for a proposed 10% increase on all tolls on the Turnpike Extension. Furthermore, a sensitivity analysis was conducted to show the impacts of a various elasticity assumptions on revenues.

First and foremost, the data extracted from Table 1 supplied the “original” demand, revenue, and toll prices.

Table 2.8 2009 versus 2008 Toll Transactions and Toll Revenue by Month

Month	Toll Transactions			Toll Revenue			Average Toll		
	2008	2009	Percent Change	2008 (Dollars)	2009 (Dollars)	Percent Change	2008 (Dollars)	2009 (Dollars)	Percent Change
<b>Boston Extension</b>									
January	5,519,797	5,012,039	-9.2%	6,333,613	5,701,418	-10.0%	1.15	1.14	-0.9%
February	5,268,526	4,904,223	-6.9%	6,040,721	5,557,837	-8.0%	1.15	1.13	-1.2%
March	5,830,713	5,512,302	-5.5%	6,674,466	6,230,412	-6.7%	1.14	1.13	-1.3%
April	5,903,935	5,650,435	-4.3%	6,779,977	6,395,176	-5.7%	1.15	1.13	-1.4%
May	6,044,486	5,804,814	-4.0%	6,960,449	6,574,404	-5.5%	1.15	1.13	-1.6%
June	5,798,167	5,738,387	-1.0%	6,680,633	6,496,568	-2.8%	1.15	1.13	-1.7%
July	5,634,641	5,655,532	0.4%	6,512,707	6,417,071	-1.5%	1.16	1.13	-1.8%
August	5,550,527	5,553,963	0.1%	6,425,689	6,313,145	-1.8%	1.16	1.14	-1.8%
September	5,689,641	5,628,847	-1.1%	6,545,288	6,361,542	-2.8%	1.15	1.13	-1.8%
October	6,018,436	5,948,223	-1.2%	6,910,569	6,707,969	-2.9%	1.15	1.13	-1.8%
November	5,344,727	5,443,998	1.9%	6,100,426	6,120,794	0.3%	1.14	1.12	-1.5%
December	5,157,398	5,373,289	4.2%	5,875,509	6,042,163	2.8%	1.14	1.12	-1.3%
<b>Total</b>	<b>67,760,994</b>	<b>66,226,052</b>	<b>-2.3%</b>	<b>77,840,046</b>	<b>74,918,499</b>	<b>-3.8%</b>	<b>1.15</b>	<b>1.13</b>	<b>-1.5%</b>
<b>Tunnels</b>									
January	1,571,531	1,437,340	-8.5%	5,552,556	4,978,964	-10.3%	3.53	3.46	-2.0%
February	1,522,647	1,389,852	-8.7%	5,406,472	4,800,820	-11.2%	3.55	3.45	-2.7%
March	1,721,301	1,613,355	-6.3%	6,133,669	5,603,123	-8.6%	3.56	3.47	-2.5%
April	1,723,964	1,620,336	-6.0%	6,151,708	5,607,243	-8.9%	3.57	3.46	-3.0%
May	1,799,635	1,721,400	-4.3%	6,420,781	5,962,077	-7.1%	3.57	3.46	-2.9%
June	1,784,140	1,724,016	-3.4%	6,384,447	5,973,071	-6.4%	3.58	3.46	-3.2%
July	1,759,165	1,774,237	0.9%	6,233,407	6,129,171	-1.7%	3.54	3.45	-2.5%
August	1,757,576	1,775,579	1.0%	6,221,428	6,138,253	-1.3%	3.54	3.46	-2.3%
September	1,648,027	1,685,177	2.3%	5,857,393	5,861,652	0.1%	3.55	3.48	-2.1%
October	1,739,321	1,785,208	2.6%	6,177,475	6,245,454	1.1%	3.55	3.50	-1.5%
November	1,543,909	1,626,422	5.3%	5,401,681	5,630,699	4.2%	3.50	3.46	-1.0%
December	1,531,920	1,620,728	5.8%	5,324,455	5,543,142	4.1%	3.48	3.42	-1.6%
<b>Total</b>	<b>20,103,136</b>	<b>19,773,650</b>	<b>-1.6%</b>	<b>71,265,471</b>	<b>68,473,669</b>	<b>-3.9%</b>	<b>3.54</b>	<b>3.46</b>	<b>-2.3%</b>

Source: MassDOT.

**Table 1. Toll Transactions and Toll Revenue by Month**

More specifically, the 2008 data provided an original demand of 67,760,994 toll transactions, a base revenue of \$77,840,046 for the year 2008, and an average toll of \$1.15. Moreover, the new toll was set to be \$1.27 or 10% higher than the 2008 average toll. It should be further noted that although the 2009 data was available, the data used for the I-93 analysis was from 2007 and it was used to maintain consistency.

Mathematically, the equation is:  $\varepsilon = \frac{\frac{Old\ Demand - New\ Demand}{Old\ Demand}}{\frac{Old\ Price - New\ Price}{Old\ Price}}$ . Substituting constant

numbers, the equation is:  $\varepsilon = \frac{\frac{67,760,994 - New\ Demand}{67,760,994}}{\frac{1.15 - 1.27}{1.15}}$ . In order to demonstrate the impact of

a varying elasticity, new demands were calculated for each elasticity value of -0.05 to -0.2 with increments of 0.05. Below are the calculated demands with the appropriate  $\varepsilon$ .

$$\varepsilon = -0.05$$

$$-0.05 = \frac{\frac{67,760,994 - \text{New Demand}}{67,760,994}}{\frac{1.15 - 1.27}{1.15}}$$

*New Demand = 67,407,458 toll transactions*

*New Revenue = \$1.27 \* 67407458 = \$85,607,471/year*

$\varepsilon = -0.10$

$$-0.10 = \frac{\frac{67,760,994 - \text{New Demand}}{67,760,994}}{\frac{1.15 - 1.27}{1.15}}$$

*New Demand = 67,053,900 toll transactions*

*New Revenue = \$1.27 \* 67053900 = \$85,158,453/year*

$\varepsilon = -0.15$

$$-0.15 = \frac{\frac{67,760,994 - \text{New Demand}}{67,760,994}}{\frac{1.15 - 1.27}{1.15}}$$

*New Demand = 66,700,387 toll transactions*

*New Revenue = \$1.27 \* 66700387 = \$84,709,491/year*

$\varepsilon = -0.20$

$$-0.20 = \frac{\frac{67,760,994 - \text{New Demand}}{67,760,994}}{\frac{1.15 - 1.27}{1.15}}$$

*New Demand = 66,346,851 toll transactions*

*New Revenue = \$1.27 \* 66346851 = \$84,260,500/year*

Given a varying elasticity from -0.05 to -0.2, the revenue fluctuates from approximately \$85.6 million to \$84.2 million. Since Cambridge Systematics calculated an elasticity of -0.06, it would be appropriate to consider the second elasticity of -0.1 in order to conservatively estimate revenue.

Elasticity	$\epsilon = -0.05$		$\epsilon = -0.10$	
	Base	Forecasted	Base	Forecasted
Demand	67,760,994	67,407,458	67,760,994	67,053,900
Revenue	\$77,925,143	\$85,607,471	\$77,925,143	\$85,158,453
Elasticity	$\epsilon = -0.15$		$\epsilon = -0.20$	
	Base	Forecasted	Base	Forecasted
Demand	67,760,994	66,700,387	67,760,994	66,346,851
Revenue	\$77,925,143	\$84,709,491	\$77,925,143	\$84,260,500

**Table 2. Demand and Revenue for the Boston Extension**

### 5.1.2 Mass Turnpike: Western Portion

The Central Transportation Planning Staff provided corridor counts for all major highways surrounding the Boston metropolitan area. These corridor counts include a portion of the tolled Massachusetts' Turnpike (Interstate 90 or I90) as well the untolled Interstate 93 (or I93). Since all the toll based approach alternatives examined include I90, our primary focus was to create an appropriate method to estimate revenues based on the data provided. Since I90's tolling scheme is based primarily on distance, Origin-Destination (O-D) tables were needed to generate accurate estimates of revenue; however, CTPS provided volume counts rather than the coveted O-D tables. In order to circumvent the lack of O-D tables, the toll level from exits 11 to 14 was used as an "average" toll. Therefore, the revenues estimated below for the Massachusetts' Turnpike (Eastbound), should be considered to be *very* conservative values.

In order to more accurately approximate revenues, the analysis of the Turnpike was split into the eastbound and westbound directions.

### 5.1.2.1 Eastbound Direction

First, the eastbound direction was considered. Since the volume on the Turnpike increased as motorists traveled towards Boston, the only exit volume data considered was at exit 14 (the last exit before the start of the Boston Extension, which was analyzed separately above). In this instance, it was assumed that the old price of the exit toll was \$1.10 and that a 10% increase in that price would be \$1.21. Furthermore, in order to showcase the impacts of a varying elasticity, several elasticity values were used in order to generate new demands as well as revenues. The average volume (per day) on I90 eastbound at exit 14 was 46,233 vehicles. The demand calculations for different elasticities are shown below.

In this analysis, epsilon,  $\varepsilon = \frac{\frac{46233-x}{46233}}{\frac{1.10-1.21}{1.10}}$ , where  $x$  represents the New Demand. Elasticity

values of -0.05, -0.10, -0.15, and -0.20 were used to calculate different  $x$ 's.

$$\varepsilon = -0.05$$

$$-0.05 = \frac{\frac{46233-x}{46233}}{\frac{1.10-1.21}{1.10}}$$

$$New\ Demand = 46002$$

$$Average\ Daily\ Revenue = \$55,662/day$$

$$\varepsilon = -0.10$$

$$-0.10 = \frac{\frac{46233 - x}{46233}}{\frac{1.10 - 1.21}{1.10}}$$

*New Demand = 45771*

*Average Daily Revenue = \$55,383/day*

$\varepsilon = -0.15$

$$-0.15 = \frac{\frac{46233 - x}{46233}}{\frac{1.10 - 1.21}{1.10}}$$

*New Demand = 45540*

*Average Daily Revenue = \$55,103/day*

$\varepsilon = -0.20$

$$-0.20 = \frac{\frac{46233 - x}{46233}}{\frac{1.10 - 1.21}{1.10}}$$

*New Demand = 45308*

*Average Daily Revenue = \$54,823/day*

To show that the above values were considered liberal, a link-by-link analysis of the eastbound segment was done. In a link-by-link analysis, it was considered that each segment of roadway has a toll level – in this case the toll is the original toll that is charged if a motorist were to enter and exit the turnpike at each entry and exit point (respectively). Tables 3 through 6 summarize this analysis.

Exit 11 to Exit 11a:

Original Demand: 33219

Original Price: \$0.45

New Price: \$0.50

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	33035	32850	32665	32481
Estimated	\$16352	\$16261	\$16169	\$16078
Revenue/ day				

**Table 3. Demand and Revenue Values for I-90E Exit 11 to 11a**

Exit 11a to Exit 12:

Original Demand: 36027  
 Original Price: \$0.25  
 New Price: \$0.28

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	35811	35595	35379	35162
Estimated	\$9848	\$9789	\$9729	\$9670
Revenue/ day				

**Table 4. Demand and Revenue Values for I-90E Exit 11a to 12**

Exit 12 to Exit 13:

Original Demand: 40000  
 Original Price: \$0.30  
 New Price: \$0.33

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	39800	39600	39400	39200
Estimated	\$13134	\$13068	\$13002	\$12936
Revenue/ day				

**Table 5. Demand and Revenue Values for I-90E Exit 12 to 13**

Exit 13 to Exit 14:

Original Demand: 46233  
 Original Price: \$0.30  
 New Price: \$0.33

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	46002	45771	45540	45308
Estimated	\$15181	\$15104	\$15028	\$14952
Revenue/ day				

**Table 6. Demand and Revenue Values for I-90E Exit 13 to 14**

It can then be assumed that the average daily revenue for this portion of the Massachusetts' Turnpike using a link-by-link analysis would be \$54,515 for an elasticity value of -0.05, \$54,222 for an elasticity value of -0.1, \$53,929 for an elasticity value of -

0.15, and \$53,635 for an elasticity value of -0.2. In the link-by-link analysis, the average daily revenue was smaller than the aggregate data used above. Table 7 summarizes this analysis.

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
Aggregate Revenue	\$55,662	\$55,383	\$55,103	\$54,823
Link-by-link Revenue	\$54,515	\$54,222	\$53,929	\$53,635

**Table 7. Side by Side Revenue Analysis**

In order to make a comparison between the current toll prices and the proposed toll prices, current revenues for Exit 11 to Exit 14 were approximated. In order to estimate these toll revenues, the link volume was multiplied by the toll price. Table 8 gives a summary of the original revenue values.

Original Values - I90E			
Eastbound	Volume	Toll Price	Revenue
Exit 11 to 11a	33219	\$0.45	14949
Exit 11a to 12	36027	\$0.25	9007
Exit 12 to 13	40000	\$0.30	12000
Exit 13 to 14	46233	\$0.30	13870
Total Revenue			\$49,825

**Table 8. Original Revenue I-90E**

As shown in the analysis, the proposed increase in tolls would result in an increase of \$4,000 per day or approximately \$1 million per year for eastbound weekday toll transactions.

### 5.1.2.2 Westbound Direction

On the Massachusetts' Turnpike Westbound, the similar calculations were done. In this case, as motorists headed west towards the New York state border, they exited the turnpike, which allowed for a higher understanding of the data. Below is the general formula of the calculations done for a portion of the Massachusetts' Turnpike westbound.

Like the analysis done for the eastbound direction of the turnpike and the Boston Extension, several elasticity values were used to calculate approximates for the New Demand. As before, epsilon,  $\epsilon$ , was set equal to the percent change in demand over the

percent change in price. The equation was written as  $\epsilon = \frac{\frac{Old\ Demand - New\ Demand}{Old\ Demand}}{\frac{Old\ Price - New\ Price}{Old\ Price}}$ . From

there, constant values were substituted which yielded a more condensed equation. The revenues calculated below provide a conservative estimate of potential revenue if the toll price along the turnpike were to increase by 10%.

Below, Tables 9 through 12 summarize the estimated revenues and new demand for each exit.

#### Exit 14 to Exit 13:

Original Demand: 48356  
 Original Price: \$0.30  
 New Price: \$0.33

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	48114	47872	47631	47389
Estimated Revenue/ day	\$15878	\$15798	\$15718	\$15638

**Table 9. Demand and Revenue Values for I-90W Exit 14 to 13**

#### Exit 13 to Exit 12:

Original Demand: 41027  
 Original Price: \$0.30  
 New Price: \$0.33

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	40822	40617	40412	40207

Estimated Revenue/ day	\$13471	\$13404	\$13336	\$13268
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**Table 10. Demand and Revenue Values for I-90W Exit 13 to 12**

Exit 12 to Exit 11:

Original Demand: 35822  
Original Price: \$0.25  
New Price: \$0.28

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	35607	35392	35177	34962
Estimated Revenue/ day	\$9792	\$9733	\$9674	\$9615

**Table 11. Demand and Revenue Values for I-90W Exit 12 to 11**

Exit 11 to Exit 11A:

Original Demand: 33219  
Original Price: \$0.45  
New Price: \$0.50

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
New Demand	33035	32850	32665	32481
Estimated Revenue/ day	\$16352	\$16261	\$16169	\$16078

**Table 12. Demand and Revenue Values for I-90W Exit 11 to 11a**

It can then be assumed that the average daily revenue for this portion of the Massachusetts' Turnpike would be \$55,493 for an elasticity value of -0.05, \$55,195 for an elasticity value of -0.1, \$54,897 for an elasticity value of -0.15, and \$54,599 for an elasticity value of -0.2. Table 13 summarizes these findings.

Elasticity Value	$\epsilon = -0.05$	$\epsilon = -0.10$	$\epsilon = -0.15$	$\epsilon = -0.20$
Estimated Revenue/ day	\$55,493	\$55,195	\$54,897	\$54,599

**Table 13. Total (Western Portion) Estimated Revenue for I-90W**

As before, in order to effectively analyze the positive outcome of increasing the tolls on the Massachusetts' Turnpike by 10%, the original revenue needed to be

calculated. Table 14 provides a summary of the link revenues as well as the total estimated revenue for Exit 11 through Exit 14.

Original Values – I90W			
Westbound	Volume	Toll Price	Revenue
Exit 11 to 11a	33219	\$0.45	14949
Exit 11a to 12	35822	\$0.25	8956
Exit 12 to 13	41027	\$0.30	12308
Exit 13 to 14	48356	\$0.30	14507
Total Revenue			\$50,719

**Table 14. Current Volume and Revenues for I-90W**

As shown in the analysis, the proposed increase in tolls would result in an increase of \$4,000 per day or approximately \$1 million per year for westbound weekday toll transactions.

#### 5.1.2.3 Comparison

The revenues and volumes presented above can be converted into daily averages or yearly averages, without becoming too uncertain. The yearly estimates are more accurate because they were converted by Cambridge Systematics, a company which has access to better and more accurate data. Converting daily averages to yearly averages would be a little more complex because it cannot be assumed that the roadway volume on a weekday is comparable to the roadway volume on a weekend or holiday.

The Westbound and Eastbound average revenues appear to be comparable. The average daily revenue for each direction falls between \$54,000 and \$56,000 per day. On March 29, 2010, the Massachusetts' Turnpike Authority released, "Western Turnpike

Revenue Bonds” which is a document that reported the annual revenue generated by the Massachusetts’ Turnpike for the fiscal year that ended on June 30, 2009. The report stated that for Exit 1 to Exit 15 on the Turnpike about \$110,773,000 was generated in 2008-2009. The gap between the revenues estimated in this research and the revenues reported by the Turnpike cannot be directly compared because the revenues reported by the Turnpike account for Exit 1 through Exit 15, whereas this research only considers Exit 11 through Exit 14.

### **5.1.3 Interstate 93**

In order to estimate the anticipated revenues on Interstate 93, a freeway that runs North/South through the Boston Metropolitan area, the adjusted 2007 corridor counts provided by the Central Transportation Planning Staff (CTPS) were used. Since the data from CTPS was based on a 250 day year (including only “work” days), the data needed to be adjusted to include 365 days (a full non-leap year). In order to appropriately adjust the data, the individual corridor count sections were multiplied (i.e. North of route 129, North of Exit 16, etc.) by 250 and then divided that number by 365. More explicitly, the equation below was used:

$$\frac{y_i \times 250}{365}$$

Where  $y_i$  is the corridor count on section of road under consideration. Moreover, due to the fact that it is being suggested that collection ramps be installed at each exit north of Route 3 and south of Route 28, the exit ramp demand was calculated using the adjusted CTPS data. More specifically, if traffic was moving Northbound towards Route 28, the calculations started with the corridor count from the Braintree Split and subtracted

the following exit from the previous exit (i.e. The corridor count of exit 15 was subtracted from exit 14), in most cases this yielded a positive number. A positive number indicated an increase in volume; a negative number indicated a decrease in volume. It should be noted that negative numbers were discarded and not used in any revenue summations.

Using the adjusted corridor counts provided by CTPS and approximated elasticities, the demand changes on Interstate 93 were estimated for when a toll is collected. Since Interstate 93 is not currently tolled, an arc elasticity was used rather than a standard elasticity calculation. In using an arc elasticity, the nontrivial issue of dividing by 0 was circumvented. The equations for a standard elasticity (the one used for the Massachusetts' Turnpike analysis) and an arc elasticity are shown below:

$$\varepsilon_{standard} = \frac{\frac{Old\ Demand - New\ Demand}{Old\ Demand}}{\frac{Old\ Price - New\ Price}{Old\ Price}}$$

$$\varepsilon_{arc_{i+1}} = \frac{\frac{(New\ Demand)_{i+1} - (Old\ Demand)_i}{(New\ Demand)_{i+1}}}{\frac{(New\ Price)_{i+1} - (Old\ Price)_i}{(New\ Price)_{i+1}}}$$

As you can see from  $\varepsilon_{standard}$  the “Old Price” divides the difference of the “New Price” but in this situation the “Old Price” is zero. In order to best approximate the change in demand an iterative method was needed.

Statement of Method:

*Step 1: Let  $i = 0$*

*Step 2:* Find  $ND_i = f(OP_i, NP_i, OD_i)$

*Step 3:*  $OD_{i+1} = ND_i$

*Step 4:*  $i = i + 1$

*Step 5 (if necessary):* Go to Step 1

To better illustrate this approach, an epsilon,  $\varepsilon = -0.05$  and the values in Table 15 were considered.

$i$	$OP_i$ Old Price	$NP_i$ New Price	$OD_i$ Old Demand	$ND_i$ New Demand
0	\$0.00	\$0.01	10000	$ND_0 (= OD_1)$
1	\$0.01	\$0.02	$OD_1$	$ND_1$

**Table 15. Calculation Analysis, Step 1**

Solve for  $ND_0$ :

$$-0.05 = \frac{\frac{ND_0 - 10000}{ND_0}}{\frac{\$0.01 - \$0.00}{\$0.01}}$$

Therefore:

$$ND_0 \approx 9524$$

It then follows that Table 15 (now Table 16) can be filled in as such:

$i$	Old Price	New Price	Old Demand	New Demand
0	\$0.00	\$0.01	10000	9524
1	\$0.01	\$0.02	9524	$ND_1$

**Table 16. Calculation Analysis, Step 2**

Solve for

$$-0.05 = \frac{\frac{ND_1 - 9524}{ND_1}}{\frac{\$0.02 - \$0.01}{\$0.02}}$$

Like before, it can be seen:

$$ND_1 \approx 9292$$

From there the calculations are completed and compiled into Table 17:

$i$	Old Price	New Price	Old Demand	New Demand
0	\$0.00	\$0.01	10000	9524
1	\$0.01	\$0.02	9524	9292

**Table 17. Calculation Analysis, Final**

Prior to the research, it was expected that implementing tolls on Interstate 93 would significantly reduce demand – the analysis supports our original hypothesis. The manner in which the data was originally presented was disjoint. CTPS looked at link volumes for Interstate 93 (in the north and south direction) north and south of Boston. Since it was proposed that users entering or leaving Boston would have to pay a \$1.00 toll, which means that for each Table 18 through 25 a user is expected to pay the toll, regardless if they were already counted in a previous table in which the roadway was going the same direction. Additionally, unlike the analysis done for the Massachusetts' Turnpike, after the first link, the difference in volume (among the following) was only considered, to avoid double counting.

The same method of analysis (as shown above) was applied to the Interstate 93 data for multiple elasticity values and exits. The appendix includes a detailed summary of the iterative analysis done for Interstate 93. Additionally in Tables 21 through 25, the effects of congestion pricing during the AM Peak hour was analyzed. A summary of all the data analysis for I-93 is presented in Tables 18 through 25. It should be noted that all values are considered to be daily estimates.

First, Interstate 93 Northbound, both north and south of Boston were analyzed. Then, Interstate 93 Southbound, both north and south of Boston were analyzed. After that analysis was done, the morning peak volumes were analyzed to measure the effects of congestion pricing during that peak period. The original demand for each link is in parenthesis next to the link location. It was found that there was a huge reduction in

demand as the absolute value of the elasticity increased. In the calculations, to avoid double and triple counting vehicles, it was necessary to use the link volume from the first link and subtracted it from the total volume on the second link – this method was continued until the last link in the chain was reached. Therefore, in the revenue analysis negative demand values were not considered because it meant that more vehicles were exiting the facility than entering them and unfortunately there was no way to extract that information from the data provided.

<b>I93N (South of Boston)</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy @ Braintree Split (67041)	51854	40260	31370	24525
north of Route 28 (4158)	3216	2497	1946	1521
SE Expwy n. of Exit 14 (719)	556	432	336	263
SE Expwy n. of Exit 15 (6603)	5107	3965	3090	2416
SE Expwy n. of Exit 16 (-5233)	-4048	-3143	-2449	-1914
Total	\$60733	\$47154	\$36742	\$28725

**Table 18. New Demand for I-93N (South of Boston)**

<b>I93N (North of Boston)</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Exit 30 (53236)	41176	31970	24911	19475
South of Exit 32 (11428)	8839	6863	5347	4181
South of Exit 33 (979)	757	588	458	358
Stoneham TL (1295)	1002	778	606	474
South of Exit 36 (3134)	2424	1882	1466	1146
South of Rt 129 (-10284)	-7954	-6176	-4812	-3762
Total	\$54198	\$42081	\$32788	\$25634

**Table 19. New Demand for I-93N (North of Boston)**

<b>I93S (South of Boston)</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy n. of Exit 16 (63014)	48739	37842	29486	23052
SE Expwy n. of Exit 15 (15315)	11846	9197	7166	5603
SE Expwy n. of Exit 14 (-2291)	-1772	-1376	-1072	-838
north of Route 28 (-4435)	-3430	-2663	-2075	-1622
SE Expwy @ Braintree Split (-740)	-572	-444	-346	-271
Total	\$60585	\$47039	\$36652	\$28655

**Table 20. New Demand for I-93S (South of Boston)**

<b>I93S (North of Boston)</b>				
<b>Location</b>	<b>elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Rt 129 (60801)	47027	36513	28450	22242
South of Exit 36 (9312)	7203	5592	4357	3407
Stoneham TL (-3216)	-2487	-1931	-1505	-1176
South of Exit 33 (-1476)	-1142	-886	-691	-540
South of Exit 32 (-3366)	-2603	-2021	-1575	-1231
South of Exit 30 (-9353)	-7234	-5617	-4377	-3422
Total	\$54230	\$42105	\$32807	\$25649

**Table 21. New Demand for I-93S (North of Boston)**

<b>I93S (North of Boston) – Congestion</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Rt 129 (15305)	11599	8825	6738	5161
South of Exit 36 (-1747)	-1324	-1007	-769	-589
Stoneham TL (-935)	-709	-539	-412	-315
South of Exit 33 (226)	171	130	99	76
South of Exit 32 (-630)	-477	-363	-277	-212
South of Exit 30	-1171	-891	-680	-521

(-1545)				
<b>I93S (North of Boston) – Congestion</b>				
<b>Location</b>	<b>Revenues (in dollars)</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Rt 129	17399	13237	10106	7742
South of Exit 36	-1986	-1511	-1154	-884
Stoneham TL	-1063	-809	-617	-473
South of Exit 33	257	195	149	114
South of Exit 32	-716	-545	-416	-319
South of Exit 30	-1756	-1336	-1020	-782
Total	17656	13432	10256	7856

Table 22. New Demand and Revenue during the AM Peak for I-93S (North of Boston)

<b>I93N (North of Boston) -- Congestion</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Rt 129 (7171)	-1988	-1512	-1155	-885
South of Exit 36 (2507)	1168	889	678	520
Stoneham TL (247)	1015	772	589	452
South of Exit 33 (1339)	187	142	109	83
South of Exit 32 (1541)	1900	1445	1104	845
South of Exit 30 (-2623)	5435	4135	3157	2418
<b>I93N (North of Boston) -- Congestion</b>				
<b>Location</b>	<b>Revenues (in dollars)</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
South of Rt 129	-2982	-2269	-1732	-1327
South of Exit 36	1752	1333	1018	780
Stoneham TL	1522	1158	884	677
South of Exit 33	281	214	163	125
South of Exit 32	2850	2168	1655	1268
South of Exit 30	8152	6202	4735	3627
Total	14557	11075	8456	6477

Table 23. New Demand and Revenue during the AM Peak for I-93N (North of Boston)

<b>I93S (South of Boston) -- Congestion</b>				
<b>Location</b>	<b>Elasticity value</b>			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy @ Braintree Split (9589)	7267	5529	4221	3234

north of Route 28 (1969)	1492	1135	867	664
SE Expwy n. of Exit 14 (-1120)	-849	-646	-493	-378
SE Expwy n. of Exit 15 (2853)	2162	1645	1256	962
SE Expwy n. of Exit 16 (-3103)	-2352	-1789	-1366	-1046
<b>I93S (South of Boston) -- Congestion</b>				
Location	Revenues (in dollars)			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy @ Braintree Split	10901	8293	6332	4851
north of Route 28	2238	1703	1300	996
SE Expwy n. of Exit 14	-1273	-969	-740	-567
SE Expwy n. of Exit 15	3243	2467	1884	1443
			-	-
SE Expwy n. of Exit 16	-3528	-2684	2049	1570
Total	16383	12464	9516	7290

**Table 24. New Demand and Revenue during the AM Peak for I-93S (South of Boston)**

<b>I93N (South of Boston) -- Congestion</b>				
Location	Elasticity value			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy @ Braintree Split (13483)	10219	7774	5936	4547
north of Route 28 (634)	480	366	279	214
SE Expwy n. of Exit 14 (589)	446	340	259	199
SE Expwy n. of Exit 15 (1373)	1041	792	604	463
SE Expwy n. of Exit 16 (-17)	-13	-10	-7	-6
<b>I93N (South of Boston) -- Congestion</b>				
Location	Revenues (in dollars)			
	<b>-0.05</b>	<b>-0.1</b>	<b>-0.15</b>	<b>-0.2</b>
SE Expwy @ Braintree Split	15328	548	419	321
north of Route 28	721	548	419	321
SE Expwy n. of Exit 14	670	509	389	298
SE Expwy n. of Exit 15	1561	1187	907	695
SE Expwy n. of Exit 16	-19	-15	-11	-9
Total	18279	2794	2133	1634

**Table 25. New Demand and Revenue during the AM Peak for I-93N (South of Boston)**

#### 5.1.4 Turnpike Application

In order to test the veracity of the method proposed above, the same iterative method was applied to an exit on the Massachusetts' Turnpike. For the analysis, Exit 11

to 11a on the Massachusetts' Turnpike (in the eastbound direction) was used. All parameters and base numbers used previously were once again used.

As depicted in Table 26, below, the new and original methods were compared. The new method yielded a higher value for new demand for all values of  $\varepsilon$ ; however, the percent difference between the two methods at its highest is only 1.5% — relatively small when other factors are taken into consideration. This comparison supports the notion that the iterative calculations using the arc elasticity and the corresponding results may be considered to be reasonable.

It should be noted that one of the main differences between the analysis for this exit on the Massachusetts' Turnpike and the analysis done for Interstate 93 is that the first “Old Price” in the iterative method was \$0.45, rather than \$0.00 (the value that had been used for Interstate 93). If the “Old Price” had been set to \$0.00, as it was in previous calculations, the demand decrease would have been significant. Furthermore, since the original and new methods yield almost the same demand values, using \$0.45 as the original “Old Price” it can be concluded that the calculations in both cases for Interstate 90 and 93 were done in a reasonable manner and that the higher decrease in demand estimated for Interstate 93 may be reasonable.

#### Exit 11 to Exit 11a:

Original Demand: 33219  
Original Price: \$0.45  
New Price: \$0.50

		Elasticity Value			
		$\varepsilon = -0.05$	$\varepsilon = -0.10$	$\varepsilon = -0.15$	$\varepsilon = -0.20$
Original Method		33035	32850	32665	32481
New Method		33079	33046	33012	32979

<b>Difference</b>	44	196	347	498
<b>Percent Diff.</b>	0.13%	0.59%	1.07%	1.53%

**Table 26. Side by Side Comparison of the Two Methods**

## 5.2 Contributions of the Research

The results of the research will better serve state DOT officials in understanding how tolls can be used as a tool in transportation finance. Toll roads have been used as a source of transportation finance for more than 50 years, but still there are states in the continental U.S. that do not have any tolled roadways. Literature shows that in locations where tolls are currently used, users are looking for better technology and faster collection. In locations where toll roads are non-existent, high speed toll roads and all electronic toll payment systems are being considered as an alternative transportation finance approach.

It should be noted that installing toll roads on roadways that are not currently tolled can have mixed effects. For example, in some instances the roadway users will accept that they need to pay the toll and demand will not change. On the other hand, many roadways users may switch to other roadways where tolls are not charged and demand on these other roads may decrease significantly. Furthermore, as roadway users switch to an alternate route, the roadways in which they choose to relocate are usually not designed to handle increased demand. What may happen is that users would initially switch routes, but the increase in travel time as well as inconvenience would direct them back to the newly tolled highway. As such, demand on the newly tolled highway may not significantly decrease as time went on. It goes without saying that revenue will increase because there was no generated revenue in the first place.

More specifically, on Interstate 93, it was believed that users will use alternative routes to reach their destination. As such, their new route choice could be examined to see if: a) they are in fact switching routes; b) choosing to commute at off-peak times (in the case where congestion pricing is implemented); and finally c) carpooling with co-workers and acquaintances to reduce traveling expenses. Gathering political support and public acceptance to implement tolls on a roadway such as Interstate 93 is expected to be a challenge for State DOT officials because the notion of installing tolls on roads that are not currently tolled may raise a lot of questions.

In raising toll prices on Interstate 90, revenue would also be expected to increase. As shown in the literature, the roads that typically demonstrate a severe decrease in demand when tolls are raised are roads that were not previously tolled. Although demand may fluctuate on Interstate 90, revenue on the roadway is expected to increase which is supported with CTPS data for the MassPike. Moreover, many users who choose to utilize a different facility in response to the toll increase on the MassPike may revert back to the MassPike due to convenience and faster travel times.

## **CHAPTER VI**

### **CONCLUSIONS AND RECOMMENDATIONS**

The current economic climate serves as an open forum to consider alternative financing approaches for surface transportation. As discussed in the literature, tolling is a major finance approach available to State DOTs to support surface transportation investments. Present trends indicate that toll roads are sustainable financing approaches. Although not referenced in this paper, a vehicle-miles traveled fee or a VMT fee has been suggested as a viable substitute to the gas tax. The current gas tax has been recognized by many researchers and economists as a financing method that is losing its purchasing power -- as the number of hybrid cars increases, the gas tax becomes more ineffective. Another alternative used to support surface transportation investments has been the sales tax (in some states). Using the sales tax to fund surface transportation investments is a complicated issue because people want their taxes to be used in investments that relate to them – not everyone drives. Additionally, other sources imply that a financing approach including many different innovative financing schemes should be considered.

Not only should current toll levels be increased, to remain on par with inflation, but innovative pricing strategies should be employed to reduce congestion during peak hours as well as create a greener transportation system. In employing effective and innovative pricing strategies, congestion on roadways such as Interstate 93, previously discussed, would create a more enjoyable travel experience for the user, generate revenue for the state, and reduce idle time for users (i.e. reducing CO<sub>2</sub> emissions).

In employing innovative technologies, toll collection strategies needed to be considered. In this day and age, the literature suggests and later proves that all-electronic

tolling and “cashless” tolling are strategies being considered by many toll road agencies. Roadway users have two goals: they want to get to their destination without incident and they want to do that quickly -- all-electronic tolling better allows users to achieve their goals.

Massachusetts, like most states, is in the middle of an economic decline – especially when it comes to financing transportation while at the same time the State DOT is looking for ways to generate additional revenue for transportation investments. Increasing the tolls on the Massachusetts’ Turnpike and implementing tolls on Interstate 93 are viable alternatives to pave way for improvements and new development to transportation infrastructure in the commonwealth. In a place where snow falls can accumulate to more than 40 inches in one month, there needs to money to offset the damaging effects of the weather – implementing the alternatives proposed above can help remedy these hardships. The analysis done on Interstate 93 will allow state department of transportation officials a foundation in which they can use to seek clarity when deciding to implement tolls on a roadway that is not currently tolled. Using an iterative arc elasticity, rather than the standard arc elasticity is believed to yield a more accurate approximation when it comes to forecasting new demand on roadways that were not previously tolled. Furthermore, state officials should know that using the point elasticity method (such as the one used for the Massachusetts’ Turnpike) is not a viable option because it leaves the researcher to divide by zero – undefined in mathematics. Furthermore, reflecting on the project demand decrease on Interstate 93, it is expected that a route shift will occur; however, due to the limitations of the data, the alternative routes chosen could not be determined.

Since, the Massachusetts' Turnpike already has tolls and transportation demand is relatively inelastic, increasing the tolls on this roadway, as shown above, would minimally reduce demand while at the same time increase revenue. Most users expect that as inflation increases the cost of living increases as well – they see it everywhere. With the rising cost of oil, produce, taxes, and rent, it is only natural to expect a rise in transportation costs. Looking at the analysis of the Boston Extension, just by increasing the average toll price by 10%, revenues are projected to increase by at least \$6 million for the year AND there will be a reduction in congestion on the heavily traveled Boston Extension. Furthermore, looking at the western/central portion of the Turnpike, revenues are projected to increase as well.

Unlike the Boston Extension, current revenue data for the western portion of Turnpike was not made available so it had to be estimated in a manner similar to that of the analysis. For both the eastbound and westbound directions of the Massachusetts' Turnpike, increasing tolls by 10% could yield at least an increase of approximately \$8,000 per weekday in revenues or approximately \$2,000,000 annually for weekday traffic. If Origin-Destination (OD) tables were available for the entire Western portion of the Turnpike, a more accurate analysis could have been performed. With OD tables, the exact toll price for users would be known and as such be able to better calculate projected revenues.

## APPENDIX

### 93 DATA ANALYSIS

		193S (south of boston)																							
		ND (1)				ND (2)				ND (3)				ND (4)				ND (5)							
OP.	NP.	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	0.05	-0.1	0.15	-0.2				
0.0	0.0	6301	6301	6301	6301	1531	1531	1531	1531	-	-	-	-	-	-	-	-	-740	740	-740	740	-	-	-	-
0	1	4	4	4	4	5	5	5	5	2291	2291	2291	2291	4435	4435	4435	4435	-	-	-	-	-740	740	-740	740
<b>0.0</b>	<b>0.0</b>	6001	5728	5479	5251	1458	1392	1331	1276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>1</b>	<b>2</b>	3	5	5	2	6	3	7	3	2182	2083	1992	1909	4224	4032	3857	3696	-705	673	-643	617	-	-	-	-
0.0	0.0	5855	5455	5097	4773	1423	1326	1238	1160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	0	8	2	8	0	0	8	2	2129	1984	1853	1736	4121	3840	3587	3360	-688	641	-599	561	-	-	-	-
0.0	0.0	5759	5279	4854	4475	1399	1283	1179	1087	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	4	0	8	5	4	7	2	8	7	2094	1920	1765	1627	4053	3716	3417	3150	-676	620	-570	526	-	-	-	-
<b>0.0</b>	<b>0.0</b>	5687	5151	4679	4262	1382	1251	1137	1035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>4</b>	<b>5</b>	9	0	0	3	4	9	2	9	2068	1873	1701	1550	4003	3625	3293	3000	-668	605	-549	501	-	-	-	-
0.0	0.0	5631	5050	4542	4098	1368	1227	1104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	6	6	0	7	4	7	4	1	9961	2047	1836	1652	1490	3964	3554	3197	2884	-661	593	-533	481	-	-	-	-
0.0	0.0	5585	4967	4431	3966	1357	1207	1077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	7	0	2	9	2	4	2	1	9639	2031	1806	1611	1442	3931	3496	3119	2791	-656	583	-520	466	-	-	-	-
<b>0.0</b>	<b>0.0</b>	5545	4897	4338	3856	1347	1190	1054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>7</b>	<b>8</b>	4	2	9	0	8	2	5	9372	2016	1780	1578	1402	3903	3447	3054	2714	-651	575	-510	453	-	-	-	-
0.0	0.0	5511	4836	4259	3761	1339	1175	1035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9	0	8	1	9	4	5	1	9143	2004	1759	1548	1368	3879	3404	2998	2648	-647	568	-500	442	-	-	-	-
0.0	0.1	5480	4783	4189	3680	1332	1162	1018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	0	5	6	3	2	0	6	2	8944	1993	1739	1523	1338	3857	3367	2948	2590	-644	562	-492	432	-	-	-	-
<b>0.1</b>	<b>0.1</b>	5453	4736	4127	3608	1325	1151	1003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>0</b>	<b>1</b>	3	3	4	0	4	1	1	8769	1983	1722	1501	1312	3838	3333	2905	2539	-640	556	-485	424	-	-	-	-
0.1	0.1	5428	4693	4071	3543	1319	1140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	2	6	6	8	6	4	7	9896	8612	1974	1706	1480	1288	3821	3303	2866	2494	-638	551	-478	416	-	-	-	-
0.1	0.1	5406	4654	4021	3485	1313	1131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	3	1	8	6	5	9	3	9774	8471	1965	1692	1462	1267	3805	3276	2830	2453	-635	547	-472	409	-	-	-	-
<b>0.1</b>	<b>0.1</b>	5385	4619	3975	3432	1308	1122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>3</b>	<b>4</b>	3	3	7	7	9	7	9663	8343	1958	1679	1445	1248	3790	3251	2798	2416	-632	542	-467	403	-	-	-	-
0.1	0.1	5366	4586	3933	3384	1304	1114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	5	2	5	5	3	2	7	9560	8225	1951	1668	1430	1230	3777	3228	2768	2382	-630	539	-462	397	-	-	-	-
0.1	0.1	5348	4556	3894	3339	1299	1107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	6	3	1	6	8	9	3	9465	8117	1944	1656	1416	1214	3764	3207	2741	2351	-628	535	-457	392	-	-	-	-
<b>0.1</b>	<b>0.1</b>	5331	4527	3858	3298	1295	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>6</b>	<b>7</b>	7	8	4	6	8	5	9378	8017	1938	1646	1403	1199	3753	3187	2716	2322	-626	532	-453	387	-	-	-	-
0.1	0.1	5316	4501	3824	3260	1292	1094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	8	1	4	7	2	0	0	9296	7924	1933	1637	1391	1185	3741	3168	2692	2295	-624	529	-449	383	-	-	-	-
0.1	0.1	5301	4476	3793	3224	1288	1088	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	9	3	5	1	4	4	0	9219	7837	1927	1628	1379	1172	3731	3151	2670	2269	-623	526	-445	379	-	-	-	-
<b>0.1</b>	<b>0.2</b>	5287	4453	3763	3190	1285	1082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>9</b>	<b>0</b>	4	1	4	8	1	3	9147	7755	1922	1619	1368	1160	3721	3134	2649	2246	-621	523	-442	375	-	-	-	-

0.2	5274	4430	3735	3159	1281	1076	-	-	-	-	-	-	-	-	-	-	-	-			
0.2	1	2	9	3	2	9	9	9078	7678	1918	1611	1358	1149	3712	3119	2629	2223	-619	520	-439	371
0.2	0.2	5261	4409	3708	3129	1278	1071	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	2	7	9	9	4	8	8	9014	7606	1913	1603	1348	1138	3703	3104	2610	2203	-618	518	-436	367
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6	7	4	8	2	3	4																
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7	<b>8</b>	9	9	6	6	8																
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8	9	4	0	1	9	2																
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9	<b>0</b>	9	2	6	2	6																
		<b>9197</b>	<b>7166</b>	<b>5603</b>	<b>1772</b>	<b>1376</b>	<b>1072</b>	<b>-838</b>	<b>3430</b>	<b>2663</b>	<b>2075</b>	<b>1622</b>	<b>-572</b>	<b>444</b>	<b>-346</b>	<b>271</b>						

I93N (south of Boston)

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<b>0.01</b>	<b>0.02</b>	63849	60946	58297	55868	3960	3780	3616	3465	685	654	625	599	6289	6003	5742	5503	-4984	-4757	-4550	-4361
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<b>0.04</b>	<b>0.05</b>	60514	54802	49780	45347	3753	3399	3087	2813	649	588	534	486	5960	5398	4903	4466	-4724	-4278	-3886	-3540
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<b>0.07</b>	<b>0.08</b>	58998	52102	46162	41024	3659	3231	2863	2544	633	559	495	440	5811	5132	4547	4041	-4605	-4067	-3603	-3202
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<b>0.88</b>	<b>0.89</b>	52158	40734	31926	25106	3235	2526	1980	1557	559	437	342	269	5137	4012	3144	2473	-4071	-3180	-2492	-1960
0.89	0.9	52129	40689	31872	25050	3233	2524	1977	1554	559	436	342	269	5134	4008	3139	2467	-4069	-3176	-2488	-1955
0.90	0.91	52100	40644	31819	24994	3231	2521	1973	1550	559	436	341	268	5131	4003	3134	2462	-4067	-3173	-2484	-1951
<b>0.91</b>	<b>0.92</b>	52072	40599	31767	24939	3230	2518	1970	1547	558	435	341	267	5129	3999	3129	2456	-4065	-3169	-2480	-1947
0.92	0.93	52043	40555	31715	24885	3228	2515	1967	1543	558	435	340	267	5126	3994	3124	2451	-4062	-3166	-2476	-1942
0.93	0.94	52015	40511	31664	24832	3226	2513	1964	1540	558	434	340	266	5123	3990	3119	2446	-4060	-3162	-2472	-1938
<b>0.94</b>	<b>0.95</b>	51988	40468	31614	24779	3224	2510	1961	1537	558	434	339	266	5120	3986	3114	2441	-4058	-3159	-2468	-1934

0.95	0.96	51960	40426	31564	24727	3223	2507	1958	1534	557	434	339	265	5118	3982	3109	2435	-4056	-3155	-2464	-1930
0.96	0.97	51933	40384	31515	24676	3221	2505	1955	1530	557	433	338	265	5115	3977	3104	2430	-4054	-3152	-2460	-1926
<b>0.97</b>	<b>0.98</b>	51907	40342	31466	24625	3219	2502	1952	1527	557	433	337	264	5112	3973	3099	2425	-4052	-3149	-2456	-1922
0.98	0.99	51880	40301	31418	24575	3218	2500	1949	1524	556	432	337	264	5110	3969	3094	2420	-4050	-3146	-2452	-1918
<b>0.99</b>	<b>1.00</b>	<b>51854</b>	<b>40260</b>	<b>31370</b>	<b>24525</b>	<b>3216</b>	<b>2497</b>	<b>1946</b>	<b>1521</b>	<b>556</b>	<b>432</b>	<b>336</b>	<b>263</b>	<b>5107</b>	<b>3965</b>	<b>3090</b>	<b>2416</b>	<b>-4048</b>	<b>-3143</b>	<b>-2449</b>	<b>-1914</b>

I93N (north of  
Boston)

O P	N P	ND (1)				ND (2)				ND (3)				ND (4)				ND (5)				ND (6)				
		0.05	-0.1	0.15	-0.2	0.05	-0.1	0.15	-0.2	0.05	0	0.1	0.5	2	0.05	0.1	0.5	0.2	0.05	0.1	0.5	0.2	0.05	-0.1	0.15	-0.2
0.0	0.0	532	532	532	532	114	114	114	114	97	97	97	97	129	12	129	12	313	31	313	31	1028	1028	1028	1028	
0	1	36	36	36	36	28	28	28	28	979	9	979	9	5	95	5	95	4	34	4	34	4	4	4	4	4
<b>0.0</b>	<b>0.0</b>	<b>507</b>	<b>483</b>	<b>462</b>	<b>443</b>	<b>108</b>	<b>103</b>	<b>993</b>	<b>952</b>	<b>89</b>	<b>81</b>	<b>123</b>	<b>11</b>	<b>112</b>	<b>10</b>	<b>298</b>	<b>28</b>	<b>272</b>	<b>26</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>1</b>	<b>2</b>	<b>01</b>	<b>96</b>	<b>92</b>	<b>63</b>	<b>84</b>	<b>89</b>	<b>7</b>	<b>3</b>	<b>932</b>	<b>0</b>	<b>851</b>	<b>6</b>	<b>3</b>	<b>77</b>	<b>6</b>	<b>79</b>	<b>5</b>	<b>49</b>	<b>5</b>	<b>12</b>	<b>9794</b>	<b>9349</b>	<b>8943</b>	<b>8570</b>	
0.0	0.0	494	460	430	403	106	989	924	865	84	74	120	11	104	98	291	27	253	23	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
2	3	64	92	62	30	18	4	4	8	910	8	792	2	3	21	8	1	2	13	5	74	9555	8904	8319	7791	
0.0	0.0	486	446	410	378	104	957	880	811	82	69	118	10	92	286	26	241	22	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
3	4	53	05	12	10	44	5	4	6	895	0	754	5	4	85	998	0	4	26	4	26	9399	8617	7923	7304	
<b>0.0</b>	<b>0.0</b>	<b>480</b>	<b>435</b>	<b>395</b>	<b>360</b>	<b>103</b>	<b>934</b>	<b>848</b>	<b>773</b>	<b>80</b>	<b>66</b>	<b>116</b>	<b>10</b>	<b>87</b>	<b>282</b>	<b>25</b>	<b>232</b>	<b>21</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>4</b>	<b>5</b>	<b>53</b>	<b>17</b>	<b>30</b>	<b>09</b>	<b>15</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>884</b>	<b>0</b>	<b>727</b>	<b>2</b>	<b>9</b>	<b>59</b>	<b>962</b>	<b>6</b>	<b>9</b>	<b>62</b>	<b>7</b>	<b>20</b>	<b>9283</b>	<b>8407</b>	<b>7636</b>	<b>6956</b>	
0.0	0.0	475	426	383	346	102	915	823	743	78	63	115	10	84	280	25	225	20	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
5	6	77	64	78	24	13	8	9	3	875	5	706	7	7	38	934	2	1	12	9	38	9191	8242	7414	6689	
0.0	0.0	471	419	374	335	101	900	803	719	77	61	114	10	81	277	24	220	19	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
6	7	84	64	42	07	29	8	8	3	868	2	689	6	8	21	911	5	8	70	4	73	9115	8107	7233	6473	
<b>0.0</b>	<b>0.0</b>	<b>468</b>	<b>413</b>	<b>366</b>	<b>325</b>	<b>100</b>	<b>888</b>	<b>786</b>	<b>699</b>	<b>76</b>	<b>59</b>	<b>114</b>	<b>10</b>	<b>79</b>	<b>275</b>	<b>24</b>	<b>215</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>7</b>	<b>8</b>	<b>49</b>	<b>73</b>	<b>57</b>	<b>77</b>	<b>57</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>862</b>	<b>1</b>	<b>674</b>	<b>9</b>	<b>0</b>	<b>06</b>	<b>892</b>	<b>2</b>	<b>8</b>	<b>36</b>	<b>8</b>	<b>18</b>	<b>9050</b>	<b>7992</b>	<b>7081</b>	<b>6293</b>	
0.0	0.0	465	408	359	317	999	877	772	682	75	58	113	99	77	274	24	211	18	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
8	9	58	63	82	82	4	2	4	3	856	1	662	4	3	4	875	3	1	06	8	71	8994	7894	6951	6140	
0.0	0.1	463	404	353	310	993	867	759	667	74	57	112	98	75	272	23	208	18	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
9	0	01	13	92	91	9	5	8	4	851	3	651	2	6	3	861	6	6	79	4	30	8944	7807	6837	6006	
<b>0.1</b>	<b>0.1</b>	<b>460</b>	<b>400</b>	<b>348</b>	<b>304</b>	<b>989</b>	<b>859</b>	<b>748</b>	<b>654</b>	<b>73</b>	<b>56</b>	<b>112</b>	<b>97</b>	<b>74</b>	<b>271</b>	<b>23</b>	<b>205</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>0</b>	<b>1</b>	<b>71</b>	<b>13</b>	<b>69</b>	<b>81</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>847</b>	<b>6</b>	<b>641</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>848</b>	<b>1</b>	<b>2</b>	<b>56</b>	<b>3</b>	<b>94</b>	<b>8900</b>	<b>7730</b>	<b>6736</b>	<b>5888</b>	
0.1	0.1	458	396	344	299	984	851	738	642	72	55	111	96	72	270	23	202	17	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
1	2	62	53	00	37	5	2	5	7	843	9	633	1	6	5	837	8	0	34	5	62	8860	7660	6645	5783	
0.1	0.1	456	393	339	294	980	844	729	632	72	54	111	95	71	268	23	200	17	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
2	3	72	25	75	46	4	2	3	1	840	3	625	2	1	7	826	6	9	15	0	34	8823	7597	6563	5688	
<b>0.1</b>	<b>0.1</b>	<b>454</b>	<b>390</b>	<b>335</b>	<b>290</b>	<b>976</b>	<b>837</b>	<b>721</b>	<b>622</b>	<b>71</b>	<b>53</b>	<b>110</b>	<b>94</b>	<b>70</b>	<b>267</b>	<b>22</b>	<b>197</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
<b>3</b>	<b>4</b>	<b>97</b>	<b>25</b>	<b>88</b>	<b>00</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>5</b>	<b>837</b>	<b>8</b>	<b>618</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>817</b>	<b>5</b>	<b>8</b>	<b>97</b>	<b>7</b>	<b>07</b>	<b>8789</b>	<b>7539</b>	<b>6488</b>	<b>5602</b>	
0.1	0.1	453	387	332	285	973	831	713	613	71	52	110	94	69	266	22	195	16	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
4	5	35	48	32	92	2	8	4	8	834	3	611	6	3	3	808	6	9	81	6	83	8758	7485	6420	5523	
0.1	0.1	451	384	329	282	970	826	706	605	70	51	109	93	68	266	22	193	16	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>		
5	6	84	92	03	16	0	3	3	7	831	8	605	9	9	6	800	6	0	66	7	61	8729	7436	6356	5451	
<b>0.1</b>	<b>0.1</b>	<b>450</b>	<b>382</b>	<b>325</b>	<b>278</b>	<b>966</b>	<b>821</b>	<b>699</b>	<b>598</b>	<b>828</b>	<b>70</b>	<b>599</b>	<b>51</b>	<b>109</b>	<b>93</b>	<b>793</b>	<b>67</b>	<b>265</b>	<b>22</b>	<b>191</b>	<b>16</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	

6	7	44	52	97	67	9	2	8	2	3	2	6	1	8	2	52	9	41	8701	7390	6297	5383	
0.1	0.1	449	380	323	275	964	816	693	591	69	50	109	92	67	264	22	190	16	-	-	-	-	
7	8	11	29	12	43	1	4	6	3	826	9	594	7	3	5	786	0	4	39	2	21	8676	7346
0.1	0.1	447	378	320	272	961	811	687	584	69	50	108	92	66	263	22	188	16	-	-	-	-	
8	9	87	19	45	41	4	8	9	8	824	5	589	1	9	0	780	3	7	26	6	04	8652	7306
<b>0.1</b>	<b>0.2</b>	<b>446</b>	<b>376</b>	<b>317</b>	<b>269</b>	<b>958</b>	<b>807</b>	<b>682</b>	<b>578</b>	<b>69</b>	<b>49</b>	<b>108</b>	<b>91</b>	<b>65</b>	<b>263</b>	<b>22</b>	<b>187</b>	<b>15</b>	-	-	-	<b>5262</b>	
<b>9</b>	<b>0</b>	<b>70</b>	<b>21</b>	<b>94</b>	<b>57</b>	<b>9</b>	<b>6</b>	<b>5</b>	<b>7</b>	<b>821</b>	<b>2</b>	<b>585</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>773</b>	<b>6</b>	<b>0</b>	<b>15</b>	<b>2</b>	<b>87</b>	<b>8629</b>	<b>7267</b>
0.2	0.2	445	374	315	266	956	803	677	572	68	49	108	91	64	262	22	185	15	-	-	-	-	
0.2	1	58	34	57	90	5	6	4	9	819	8	580	1	4	1	768	9	3	04	8	71	8608	7231
0.2	0.2	444	372	313	264	954	799	672	567	68	48	108	90	64	261	21	184	15	-	-	-	-	
1	2	52	56	33	38	2	8	6	5	817	5	576	6	1	6	762	3	7	93	5	56	8587	7197
<b>0.2</b>	<b>0.2</b>	<b>443</b>	<b>370</b>	<b>311</b>	<b>262</b>	<b>952</b>	<b>796</b>	<b>668</b>	<b>562</b>	<b>68</b>	<b>48</b>	<b>107</b>	<b>90</b>	<b>63</b>	<b>261</b>	<b>21</b>	<b>183</b>	<b>15</b>	-	-	-	-	
<b>2</b>	<b>3</b>	<b>51</b>	<b>88</b>	<b>21</b>	<b>00</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>816</b>	<b>2</b>	<b>572</b>	<b>2</b>	<b>9</b>	<b>2</b>	<b>757</b>	<b>7</b>	<b>1</b>	<b>83</b>	<b>2</b>	<b>42</b>	<b>8568</b>	<b>7164</b>
0.2	0.2	442	369	309	259	950	792	663	557	67	47	107	89	63	260	21	182	15	-	-	-	-	
3	4	55	27	20	74	0	7	7	6	814	9	569	8	7	8	752	2	5	74	0	29	8549	7133
0.2	0.2	441	367	307	257	948	789	659	553	67	47	107	89	62	260	21	180	15	-	-	-	-	
4	5	63	74	28	59	0	4	6	0	812	6	565	4	4	5	747	7	0	65	9	16	8531	7104
<b>0.2</b>	<b>0.2</b>	<b>440</b>	<b>366</b>	<b>305</b>	<b>255</b>	<b>946</b>	<b>786</b>	<b>655</b>	<b>548</b>	<b>67</b>	<b>47</b>	<b>107</b>	<b>89</b>	<b>62</b>	<b>259</b>	<b>21</b>	<b>179</b>	<b>15</b>	-	-	-	-	
<b>5</b>	<b>6</b>	<b>75</b>	<b>27</b>	<b>44</b>	<b>55</b>	<b>1</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>811</b>	<b>4</b>	<b>562</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>743</b>	<b>2</b>	<b>5</b>	<b>56</b>	<b>8</b>	<b>04</b>	<b>8514</b>	<b>7076</b>
0.2	0.2	439	364	303	253	944	783	651	544	67	46	107	88	61	259	21	178	14	-	-	-	-	
6	7	91	87	69	60	3	3	9	4	809	1	558	6	0	8	739	7	0	48	8	93	8498	7048
0.2	0.2	439	363	302	251	942	780	648	540	66	46	106	88	61	258	21	177	14	-	-	-	-	
7	8	09	52	01	73	6	4	3	4	807	9	555	3	8	4	735	2	5	40	8	82	8482	7022
<b>0.2</b>	<b>0.2</b>	<b>438</b>	<b>362</b>	<b>300</b>	<b>249</b>	<b>940</b>	<b>777</b>	<b>644</b>	<b>536</b>	<b>66</b>	<b>46</b>	<b>106</b>	<b>88</b>	<b>60</b>	<b>258</b>	<b>21</b>	<b>176</b>	<b>14</b>	-	-	-	-	
<b>8</b>	<b>9</b>	<b>31</b>	<b>23</b>	<b>40</b>	<b>95</b>	<b>9</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>806</b>	<b>6</b>	<b>552</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>731</b>	<b>8</b>	<b>0</b>	<b>32</b>	<b>8</b>	<b>71</b>	<b>8467</b>	<b>6997</b>
0.2	437	360	298	248	939	774	641	532	66	45	106	87	60	257	21	175	14	-	-	-	-	-	
9	0.3	56	98	86	24	3	9	5	9	805	4	550	7	4	8	727	4	6	25	9	61	8453	6973
0.3	0.3	436	359	297	246	937	772	638	529	66	45	106	87	60	257	21	175	14	-	-	-	-	
0	1	83	78	37	59	7	3	4	4	803	2	547	3	3	5	723	0	2	18	1	52	8439	6950
<b>0.3</b>	<b>0.3</b>	<b>436</b>	<b>358</b>	<b>295</b>	<b>245</b>	<b>936</b>	<b>769</b>	<b>635</b>	<b>526</b>	<b>66</b>	<b>45</b>	<b>106</b>	<b>87</b>	<b>59</b>	<b>256</b>	<b>21</b>	<b>174</b>	<b>14</b>	-	-	-	<b>4764</b>	
<b>1</b>	<b>2</b>	<b>12</b>	<b>63</b>	<b>94</b>	<b>01</b>	<b>2</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>802</b>	<b>0</b>	<b>544</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>720</b>	<b>6</b>	<b>7</b>	<b>11</b>	<b>2</b>	<b>42</b>	<b>8425</b>	<b>6928</b>
0.3	0.3	435	357	294	243	934	767	632	522	65	44	105	87	59	256	21	173	14	-	-	-	-	
2	3	44	51	56	49	8	5	3	7	801	7	542	8	9	0	717	2	3	05	4	33	8412	6906
0.3	0.3	434	356	293	242	933	765	629	519	65	44	105	86	58	256	20	172	14	-	-	-	-	
3	4	78	43	23	02	3	1	5	5	800	5	539	5	8	7	713	9	0	98	6	25	8399	6885
<b>0.3</b>	<b>0.3</b>	<b>434</b>	<b>355</b>	<b>291</b>	<b>240</b>	<b>932</b>	<b>762</b>	<b>626</b>	<b>516</b>	<b>65</b>	<b>44</b>	<b>105</b>	<b>86</b>	<b>58</b>	<b>255</b>	<b>20</b>	<b>171</b>	<b>14</b>	-	-	-	-	
<b>4</b>	<b>5</b>	<b>15</b>	<b>39</b>	<b>94</b>	<b>61</b>	<b>0</b>	<b>9</b>	<b>7</b>	<b>5</b>	<b>798</b>	<b>4</b>	<b>537</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>710</b>	<b>5</b>	<b>6</b>	<b>92</b>	<b>9</b>	<b>16</b>	<b>8387</b>	<b>6865</b>
0.3	0.3	433	354	290	239	930	760	624	513	65	44	105	86	58	255	20	171	14	-	-	-	-	
5	6	53	37	69	24	6	7	0	6	797	2	535	0	5	2	707	2	2	86	1	08	8375	6846
0.3	0.3	432	353	289	237	929	758	621	510	65	43	105	86	57	254	20	170	14	-	-	-	-	
6	7	93	39	49	92	3	6	4	7	796	0	532	8	3	0	704	9	9	80	4	01	8363	6827
<b>0.3</b>	<b>0.3</b>	<b>432</b>	<b>352</b>	<b>288</b>	<b>236</b>	<b>928</b>	<b>756</b>	<b>618</b>	<b>508</b>	<b>64</b>	<b>43</b>	<b>105</b>	<b>85</b>	<b>57</b>	<b>254</b>	<b>20</b>	<b>169</b>	<b>13</b>	-	-	-	-	
<b>7</b>	<b>8</b>	<b>34</b>	<b>44</b>	<b>32</b>	<b>64</b>	<b>1</b>	<b>6</b>	<b>9</b>	<b>0</b>	<b>795</b>	<b>8</b>	<b>530</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>701</b>	<b>6</b>	<b>5</b>	<b>75</b>	<b>7</b>	<b>93</b>	<b>8352</b>	<b>6808</b>
0.3	0.3	431	351	287	235	926	754	616	505	64	43	105	85	57	254	20	169	13	-	-	-	-	
8	9	77	51	18	40	9	6	5	3	794	6	528	3	0	5	699	3	2	69	1	86	8341	6790
0.3	0.4	431	350	286	234	925	752	614	502	64	43	104	85	57	253	20	168	13	-	-	-	-	
9	0	22	61	08	20	7	7	1	7	793	5	526	1	9	3	696	0	9	64	4	79	8330	6773
<b>0.4</b>	<b>0.4</b>	<b>430</b>	<b>349</b>	<b>285</b>	<b>233</b>	<b>924</b>	<b>750</b>	<b>611</b>	<b>500</b>	<b>64</b>	<b>42</b>	<b>104</b>	<b>85</b>	<b>56</b>	<b>253</b>	<b>20</b>	<b>167</b>	<b>13</b>	-	-	-	<b>4524</b>	
<b>0</b>	<b>1</b>	<b>68</b>	<b>74</b>	<b>01</b>	<b>03</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>2</b>	<b>792</b>	<b>3</b>	<b>524</b>	<b>9</b>	<b>8</b>	<b>1</b>	<b>693</b>	<b>7</b>	<b>5</b>	<b>59</b>	<b>8</b>	<b>72</b>	<b>8320</b>	<b>6756</b>
0.4	0.4	430	348	283	231	923	748	609	497	791	64	522	42	104	84	691	56	253	20	167	13	-	-

1	2	16	89	97	90	4	9	6	8	2	6	6	9	4	2	54	2	65	8310	6740	5486	4480			
0.4	0.4	429	348	282	230	922	747	607	495	64	42	104	84	56	252	20	166	13	-	-	-	-			
2	3	65	06	96	80	3	2	4	5	790	0	520	4	5	7	688	1	9	49	6	59	8300	6724	5466	4459
<b>0.4</b>	<b>0.4</b>	429	347	281	229	921	745	605	493	63	42	104	84	55	252	20	166	13	-	-	-	-			
<b>3</b>	<b>4</b>	15	25	98	74	2	4	3	2	789	9	519	2	4	5	686	9	6	44	0	52	8290	6708	5447	4438
0.4	0.4	428	346	281	228	920	743	603	490	63	42	104	84	55	252	20	165	13	-	-	-	-			
4	5	66	47	02	70	2	7	3	9	788	7	517	1	3	3	684	6	4	40	4	46	8281	6693	5429	4418
0.4	0.4	428	345	280	227	919	742	601	488	63	41	104	84	55	252	20	164	13	-	-	-	-			
5	6	18	70	09	68	2	1	3	8	787	6	515	9	2	1	681	4	1	35	9	40	8272	6678	5411	4398
<b>0.4</b>	<b>0.4</b>	427	344	279	226	918	740	599	486	63	41	104	83	55	251	20	164	13	-	-	-	-			
<b>6</b>	<b>7</b>	72	95	18	70	2	5	3	6	787	4	513	7	0	9	679	1	8	31	4	35	8263	6664	5393	4379
0.4	0.4	427	344	278	225	917	738	597	484	63	41	103	83	54	251	20	163	13	-	-	-	-			
7	8	26	22	29	74	2	9	4	6	786	3	512	5	9	7	677	9	5	26	8	29	8254	6649	5376	4361
0.4	0.4	426	343	277	224	916	737	595	482	63	41	103	83	54	251	20	163	13	-	-	-	-			
8	9	82	50	42	80	2	4	5	6	785	2	510	3	8	6	675	7	3	22	3	23	8245	6636	5359	4343
<b>0.4</b>	<b>0.5</b>	426	342	276	223	915	735	593	480	63	41	103	83	54	251	20	162	13	-	-	-	-			
<b>9</b>	<b>0</b>	38	80	58	89	3	9	7	6	784	0	509	2	7	4	673	5	0	18	8	18	8237	6622	5343	4325
0.5	425	342	275	223	914	734	591	478	62	41	103	83	54	250	20	162	13	-	-	-	-				
0.5	1	96	12	75	00	4	4	9	7	783	9	507	0	6	2	671	2	8	14	3	13	8229	6609	5327	4308
0.5	0.5	425	341	274	222	913	733	590	476	62	40	103	83	54	250	20	161	13	-	-	-	-			
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<b>0.5</b>	<b>0.5</b>	425	340	274	221	912	731	588	475	62	40	103	82	53	250	20	161	13	-	-	-	-			
<b>2</b>	<b>3</b>	13	79	15	27	6	6	5	0	782	7	504	7	4	9	667	8	3	06	4	03	8213	6583	5296	4275
0.5	0.5	424	340	273	220	911	730	586	473	62	40	103	82	53	250	20	160	12	-	-	-	-			
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<b>5</b>	<b>6</b>	95	90	88	83	1	5	6	8	780	3	500	2	1	4	661	2	6	95	1	88	8190	6547	5252	4227
0.5	0.5	423	338	271	218	909	726	582	468	62	40	103	82	53	249	19	159	12	-	-	-	-			
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9	0.6	48	56	06	81	9	5	6	3	777	9	495	7	8	9	655	5	7	81	4	70	8161	6502	5198	4169
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<b>1</b>	<b>2</b>	78	45	73	39	4	1	7	2	776	7	492	4	6	6	651	2	3	75	6	62	8148	6480	5172	4142
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<b>0.7</b>	<b>0.7</b>	418	329	260	206	897	707	559	444	60	38	101	80	50	246	19	153	12	-	-	-	-	
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<b>0.8</b>	<b>0.8</b>	414	323	253	199	889	694	544	428	59	36	100	78	48	243	19	149	11	-	-	-	-	
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<b>0.9</b>	<b>0.9</b>	413	322	252	198	887	692	541	425	760	59	464	36	100	78	614	48	243	18	148	11	-	-

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<b>0.9</b>	<b>0.9</b>	412	320	249	195	884	687	536	419	58	36	100	77	47	242	18	147	11	-	-	-	-			
<b>7</b>	<b>8</b>	18	35	86	54	8	7	4	8	758	9	459	0	3	9	608	6	7	86	1	51	7962	6188	4827	3777
0.9	0.9	411	320	249	195	884	687	535	418	58	35	100	77	47	242	18	146	11	-	-	-	-			
8	9	97	02	48	14	4	0	6	9	758	9	459	9	2	8	607	5	5	84	9	49	7958	6182	4819	3770
0.9	1.0	<b>411</b>	<b>319</b>	<b>249</b>	<b>194</b>	<b>883</b>	<b>686</b>	<b>534</b>	<b>418</b>	<b>58</b>	<b>35</b>	<b>100</b>	<b>77</b>	<b>47</b>	<b>242</b>	<b>18</b>	<b>146</b>	<b>11</b>	-	-	-	-			
9	0	<b>76</b>	<b>70</b>	<b>11</b>	<b>75</b>	<b>9</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>757</b>	<b>8</b>	<b>458</b>	<b>8</b>	<b>2</b>	<b>8</b>	<b>606</b>	<b>4</b>	<b>4</b>	<b>82</b>	<b>6</b>	<b>46</b>	<b>7954</b>	<b>6176</b>	<b>4812</b>	<b>3762</b>

I93S (north of  
Boston)

O	N	ND (1)				ND (2)				ND (3)				ND (4)				ND (5)				ND (6)				
		P	P	<b>0.05</b>	<b>-0.1</b>	<b>0.15</b>	<b>-0.2</b>	<b>0.0</b>	<b>5</b>	<b>0.1</b>	<b>5</b>	<b>0.2</b>	<b>0.0</b>	<b>5</b>	<b>-0.1</b>	<b>5</b>	<b>-0.2</b>	<b>0.0</b>	<b>5</b>	<b>-0.1</b>	<b>5</b>	<b>-0.2</b>	<b>0.0</b>	<b>5</b>	<b>-0.1</b>	<b>5</b>
0.	0.0	608	608	608	608	93	93	93	93	321	321	321	321	147	147	147	147	336	336	336	336	935	935	935	935	935
00	1	01	01	01	01	12	12	12	12	6	6	6	6	6	6	6	6	6	6	6	6	3	3	3	3	3
<b>0.</b>	<b>0.0</b>	<b>579</b>	<b>552</b>	<b>528</b>	<b>506</b>	<b>88</b>	<b>84</b>	<b>80</b>	<b>77</b>	<b>306</b>	<b>292</b>	<b>279</b>	<b>268</b>	<b>140</b>	<b>134</b>	<b>128</b>	<b>123</b>	<b>320</b>	<b>306</b>	<b>292</b>	<b>280</b>	<b>890</b>	<b>850</b>	<b>813</b>	<b>779</b>	
<b>01</b>	<b>2</b>	<b>06</b>	<b>74</b>	<b>70</b>	<b>68</b>	<b>69</b>	<b>65</b>	<b>97</b>	<b>60</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>0</b>	<b>6</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>7</b>	<b>5</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>4</b>	
0.	0.0	564	526	491	460	86	80	75	70	298	278	260	243	137	127	119	111	312	291	272	255	869	809	756	708	
02	3	93	42	82	61	52	62	32	55	8	4	1	6	1	8	4	8	8	4	3	0	0	8	6	6	
0.	0.0	555	509	468	431	85	78	71	66	293	269	247	228	134	123	113	104	307	282	259	239	854	783	720	664	
03	4	67	43	40	83	10	02	74	14	9	5	8	4	9	7	7	8	6	0	3	1	8	7	5	3	
<b>0.</b>	<b>0.0</b>	<b>548</b>	<b>497</b>	<b>451</b>	<b>411</b>	<b>84</b>	<b>76</b>	<b>69</b>	<b>62</b>	<b>290</b>	<b>262</b>	<b>238</b>	<b>217</b>	<b>133</b>	<b>120</b>	<b>109</b>	<b>-</b>	<b>303</b>	<b>275</b>	<b>249</b>	<b>227</b>	<b>844</b>	<b>764</b>	<b>694</b>	<b>632</b>	
<b>04</b>	<b>5</b>	<b>81</b>	<b>01</b>	<b>47</b>	<b>26</b>	<b>05</b>	<b>12</b>	<b>14</b>	<b>99</b>	<b>3</b>	<b>9</b>	<b>8</b>	<b>5</b>	<b>2</b>	<b>7</b>	<b>6</b>	<b>998</b>	<b>8</b>	<b>1</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>5</b>	<b>5</b>	<b>6</b>	
0.	0.0	543	487	438	395	83	74	67	60	287	257	231	209	131	118	106	-	300	269	242	218	835	749	674	608	
05	6	38	26	32	44	22	63	13	56	4	7	8	2	9	3	4	960	8	8	7	9	9	6	3	3	
0.	0.0	538	479	427	382	82	73	65	58	285	253	226	202	130	116	103	-	298	265	236	211	829	737	657	588	
06	7	89	28	63	69	53	40	49	61	0	5	2	4	8	3	8	929	3	3	7	9	0	3	8	7	
<b>0.</b>	<b>0.0</b>	<b>535</b>	<b>472</b>	<b>418</b>	<b>372</b>	<b>81</b>	<b>72</b>	<b>64</b>	<b>56</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>07</b>	<b>8</b>	<b>07</b>	<b>53</b>	<b>66</b>	<b>06</b>	<b>95</b>	<b>37</b>	<b>12</b>	<b>98</b>	<b>283</b>	<b>249</b>	<b>221</b>	<b>196</b>	<b>129</b>	<b>114</b>	<b>101</b>	<b>903</b>	<b>296</b>	<b>261</b>	<b>231</b>	<b>206</b>	<b>823</b>	<b>726</b>	<b>644</b>	<b>572</b>	

								0	9	4	8	9	7	6		2	6	8	0	1	9	0	3		
0.	0.0	531	466	410	362	81	71	62	55	281	246	217	192	129	113	-	294	258	227	201	818	717	632	558	
08	9	74	69	95	98	44	48	94	59	3	9	4	0	1	3	998	881	4	4	5	0	0	9	2	4
0.	0.1	528	461	404	355	80	70	61	54	279	244	213	187	128	112	-	292	255	223	196	813	710	621	546	
09	0	80	56	21	09	99	69	91	38	7	1	8	8	4	0	981	862	8	5	8	6	5	0	8	2
<b>0.</b>	<b>0.1</b>	<b>526</b>	<b>456</b>	<b>398</b>	<b>348</b>	<b>80</b>	<b>69</b>	<b>60</b>	<b>53</b>	<b>278</b>	<b>241</b>	<b>210</b>	<b>184</b>	<b>127</b>	<b>110</b>	-	<b>291</b>	<b>253</b>	<b>220</b>	<b>192</b>	<b>809</b>	<b>703</b>	<b>612</b>	<b>535</b>	
<b>10</b>	<b>1</b>	<b>17</b>	<b>99</b>	<b>24</b>	<b>13</b>	<b>59</b>	<b>99</b>	<b>99</b>	<b>32</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>9</b>	<b>967</b>	<b>845</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>6</b>	<b>5</b>
0.	0.1	523	452	392	341	80	69	60	52	277	239	207	180	127	109	-	290	250	217	189	805	696	604	526	
11	2	79	88	88	91	22	36	17	37	1	5	8	9	2	9	954	830	0	7	5	3	7	7	4	0
0.	0.1	521	449	388	336	79	68	59	51	275	237	205	177	126	109	-	288	248	214	186	802	690	596	517	
12	3	62	13	03	31	89	79	43	51	9	6	2	9	6	0	942	816	8	6	8	2	4	9	9	3
<b>0.</b>	<b>0.1</b>	<b>519</b>	<b>445</b>	<b>383</b>	<b>331</b>	<b>79</b>	<b>68</b>	<b>58</b>	<b>50</b>	<b>274</b>	<b>235</b>	<b>202</b>	<b>175</b>	<b>126</b>	<b>108</b>	-	<b>287</b>	<b>246</b>	<b>212</b>	<b>183</b>	<b>799</b>	<b>685</b>	<b>590</b>	<b>509</b>	
<b>13</b>	<b>4</b>	<b>62</b>	<b>71</b>	<b>61</b>	<b>21</b>	<b>58</b>	<b>26</b>	<b>75</b>	<b>73</b>	<b>8</b>	<b>8</b>	<b>9</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>931</b>	<b>804</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>1</b>	<b>5</b>
0.	0.1	517	442	379	326	79	67	58	50	273	234	200	172	125	107	-	286	245	210	180	796	680	583	502	
14	5	77	54	54	55	30	78	13	01	9	1	8	7	7	4	921	793	6	0	1	8	5	8	8	3
0.	0.1	516	439	375	322	79	67	57	49	273	232	198	170	125	106	-	285	243	208	178	793	676	578	495	
15	6	05	61	78	25	04	33	55	35	0	5	8	5	3	7	912	782	7	4	0	4	8	3	1	7
<b>0.</b>	<b>0.1</b>	<b>514</b>	<b>436</b>	<b>372</b>	<b>318</b>	<b>78</b>	<b>66</b>	<b>57</b>	<b>48</b>	<b>272</b>	<b>231</b>	<b>196</b>	<b>168</b>	<b>124</b>	<b>106</b>	-	<b>284</b>	<b>241</b>	<b>206</b>	<b>176</b>	<b>791</b>	<b>672</b>	<b>572</b>	<b>489</b>	
<b>16</b>	<b>7</b>	<b>44</b>	<b>88</b>	<b>29</b>	<b>27</b>	<b>79</b>	<b>91</b>	<b>02</b>	<b>75</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>904</b>	<b>773</b>	<b>8</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>	<b>7</b>	<b>6</b>
0.	0.1	512	434	369	314	78	66	56	48	271	229	195	166	124	105	-	284	240	204	174	789	668	567	483	
17	8	94	33	04	57	56	52	52	18	3	7	2	4	5	4	896	764	0	4	3	1	0	1	7	9
0.	0.1	511	431	365	311	78	66	56	47	270	228	193	164	124	104	-	283	239	202	172	786	664	563	478	
18	9	51	93	99	11	34	15	05	65	6	5	6	6	2	9	888	755	2	1	6	2	9	4	0	6
<b>0.</b>	<b>0.2</b>	<b>510</b>	<b>429</b>	<b>363</b>	<b>307</b>	<b>78</b>	<b>65</b>	<b>55</b>	<b>47</b>	<b>269</b>	<b>227</b>	<b>192</b>	<b>162</b>	<b>123</b>	<b>104</b>	-	<b>282</b>	<b>237</b>	<b>201</b>	<b>170</b>	<b>784</b>	<b>661</b>	<b>558</b>	<b>473</b>	
<b>19</b>	<b>0</b>	<b>17</b>	<b>67</b>	<b>12</b>	<b>87</b>	<b>14</b>	<b>81</b>	<b>61</b>	<b>15</b>	<b>8</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>882</b>	<b>747</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>6</b>
0.	0.2	508	427	360	304	77	65	55	46	269	226	190	161	123	103	-	281	236	199	168	782	657	554	468	
2	1	90	53	42	83	94	48	20	69	2	1	6	2	5	8	875	740	7	7	5	8	8	7	4	9
0.	0.2	507	425	357	301	77	65	54	46	268	225	189	159	123	103	-	281	235	198	167	781	654	550	464	
21	2	69	50	86	95	76	17	81	25	5	1	3	7	2	3	869	733	1	6	1	2	0	6	5	5
<b>0.</b>	<b>0.2</b>	<b>506</b>	<b>423</b>	<b>355</b>	<b>299</b>	<b>77</b>	<b>64</b>	<b>54</b>	<b>45</b>	<b>267</b>	<b>224</b>	<b>188</b>	<b>158</b>	<b>123</b>	<b>102</b>	-	<b>280</b>	<b>234</b>	<b>196</b>	<b>165</b>	<b>779</b>	<b>651</b>	<b>546</b>	<b>460</b>	
<b>22</b>	<b>3</b>	<b>54</b>	<b>58</b>	<b>44</b>	<b>23</b>	<b>58</b>	<b>87</b>	<b>44</b>	<b>83</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>863</b>	<b>726</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>7</b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>3</b>
0.	0.2	505	421	353	296	77	64	54	45	267	223	186	156	122	102	-	279	233	195	164	777	648	543	456	
23	4	44	74	13	65	41	59	08	43	3	1	8	9	7	4	857	720	8	5	5	2	5	8	2	3
0.	0.2	504	419	350	294	77	64	53	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

24	5	39	99	94	20	25	32	75	06	266	222	185	155	122	102	852	714	279	232	194	162	775	646	539	452	
<b>0.</b>	<b>0.2</b>	503	418	348	291	77	64	53	44	266	221	184	154	122	101	-	-	278	231	193	161	774	643	536	449	
<b>25</b>	<b>6</b>	38	32	85	86	10	07	43	70	-	3	3	5	4	2	6	847	709	7	6	1	6	4	5	6	0
0.	0.2	502	416	346	289	76	63	53	44	265	220	183	153	122	101	-	-	278	230	192	160	772	641	533	445	
26	7	42	72	85	64	95	82	12	36	7	4	5	2	0	2	842	703	1	7	0	3	9	0	6	5	
0.	0.2	501	415	344	287	76	63	52	44	265	219	182	152	121	100	-	-	277	229	191	159	771	638	530	442	
27	8	49	18	93	51	81	59	83	03	3	6	4	1	7	8	837	698	6	8	0	2	4	7	6	3	
<b>0.</b>	<b>0.2</b>	500	413	343	285	76	63	52	43	264	218	181	151	121	100	-	-	277	229	189	158	770	636	527	439	
<b>28</b>	<b>9</b>	59	70	09	47	67	36	55	72	8	8	5	0	5	4	833	693	1	0	9	0	1	4	8	1	
0.		499	412	341	283	76	63	52	43	264	218	180	150	121	100	-	-	276	228	189	157	768	634	525	436	
29	0.3	73	28	33	51	54	14	28	42	3	1	5	0	3	1	829	688	7	2	0	0	7	2	1	1	
0.	0.3	498	410	339	281	76	62	52	43	263	217	179	149	121	-	-	-	276	227	188	155	767	632	522	433	
30	1	90	91	63	63	41	93	02	13	9	3	6	0	1	998	824	684	2	5	0	9	5	1	4	2	
<b>0.</b>	<b>0.3</b>	498	409	337	279	76	62	51	42	263	216	178	148	120	-	-	-	275	226	187	154	766	630	519	430	
<b>31</b>	<b>2</b>	10	59	99	83	29	73	77	86	5	6	8	0	9	994	821	679	8	8	1	9	2	1	9	5	
0.	0.3	497	408	336	278	76	62	51	42	263	216	177	147	120	-	-	-	275	226	186	154	765	628	517	427	
32	3	32	31	42	09	17	54	52	59	1	0	9	1	7	991	817	675	3	0	2	0	0	1	5	8	
0.	0.3	496	407	334	276	76	62	51	42	262	215	177	146	120	-	-	-	274	225	185	153	763	626	515	425	
33	4	57	08	89	42	05	35	29	33	7	3	1	2	5	988	813	671	9	4	4	0	9	2	2	2	
<b>0.</b>	<b>0.3</b>	495	405	333	274	75	62	51	42	262	214	176	145	120	-	-	-	274	224	184	152	762	624	512	422	
<b>34</b>	<b>5</b>	84	89	42	80	94	16	07	09	3	7	4	4	4	985	809	667	5	7	6	1	7	4	9	7	
0.	0.3	495	404	332	273	75	61	50	41	261	214	175	144	120	-	-	-	274	224	183	151	761	622	510	420	
35	6	13	73	00	24	83	99	85	85	9	1	6	5	2	983	806	663	1	1	8	3	7	6	7	3	
0.	0.3	494	403	330	271	75	61	50	41	261	213	174	143	120	-	-	-	273	223	183	150	760	620	508	418	
36	7	45	61	62	73	73	81	64	62	5	5	9	7	0	980	803	660	7	4	0	4	6	9	6	0	
<b>0.</b>	<b>0.3</b>	493	402	329	270	75	61	50	41	261	212	174	143	119	-	-	-	273	222	182	149	759	619	506	415	
<b>37</b>	<b>8</b>	78	52	29	27	62	65	43	39	2	9	2	0	9	977	799	656	4	8	3	6	6	2	5	8	
0.	0.3	493	401	327	268	75	61	50	41	260	212	173	142	119	-	-	-	273	222	181	148	758	617	504	413	
38	9	13	47	99	85	53	49	23	18	8	4	5	2	7	975	796	653	0	3	6	8	6	6	5	6	
0.	0.4	492	400	326	267	75	61	50	40	260	211	172	141	119	-	-	-	272	221	180	148	757	616	502	411	
39	0	50	44	74	48	43	33	04	97	5	8	8	5	6	972	793	649	7	7	9	1	6	0	6	5	
<b>0.</b>	<b>0.4</b>	491	399	325	266	75	61	49	40	260	211	172	140	119	-	-	-	272	221	180	147	756	614	500	409	
<b>40</b>	<b>1</b>	88	44	52	15	33	18	85	76	2	3	2	8	4	970	790	646	3	1	2	3	7	5	7	4	

0.	0.4	491	398	324	264	75	61	49	40	259	210	171	140	119	-	-	-	272	220	179	146	755	613	498	407
41	2	28	47	33	86	24	03	67	56	9	8	5	1	3	967	787	643	0	6	6	6	7	0	9	4
0.	0.4	490	397	323	263	75	60	49	40	259	210	170	139	119	-	-	-	271	220	178	145	754	611	497	405
42	3	70	52	17	60	15	88	50	37	6	3	9	4	1	965	785	640	7	1	9	9	8	5	1	5
<b>0.</b>	<b>0.4</b>	<b>490</b>	<b>396</b>	<b>322</b>	<b>262</b>	<b>75</b>	<b>60</b>	<b>49</b>	<b>40</b>	<b>259</b>	<b>209</b>	<b>170</b>	<b>138</b>	<b>119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>271</b>	<b>219</b>	<b>178</b>	<b>145</b>	<b>754</b>	<b>610</b>	<b>495</b>	<b>403</b>
<b>43</b>	<b>4</b>	<b>13</b>	<b>60</b>	<b>05</b>	<b>38</b>	<b>07</b>	<b>74</b>	<b>32</b>	<b>19</b>	<b>2</b>	<b>8</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>963</b>	<b>782</b>	<b>637</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>6</b>
0.	0.4	489	395	320	261	74	60	49	40	259	209	169	138	118	-	-	-	271	219	177	144	753	608	493	401
44	5	57	70	96	19	98	60	16	00	0	3	8	2	8	961	779	634	0	1	7	6	1	7	7	8
0.	0.4	489	394	319	260	74	60	48	39	258	208	169	137	118	-	-	-	270	218	177	144	752	607	492	400
45	6	03	82	89	04	90	47	99	83	7	8	2	5	7	958	777	631	7	6	1	0	3	4	1	0
<b>0.</b>	<b>0.4</b>	<b>488</b>	<b>393</b>	<b>318</b>	<b>258</b>	<b>74</b>	<b>60</b>	<b>48</b>	<b>39</b>	<b>258</b>	<b>208</b>	<b>168</b>	<b>136</b>	<b>118</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>270</b>	<b>218</b>	<b>176</b>	<b>143</b>	<b>751</b>	<b>606</b>	<b>490</b>	<b>398</b>
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0.	0.4	487	393	317	257	74	60	48	39	258	207	168	136	118	-	-	-	270	217	176	142	750	604	488	396
47	8	98	13	84	82	74	21	68	49	1	9	1	4	5	954	772	626	2	6	0	7	7	7	9	6
0.	0.4	487	392	316	256	74	60	48	39	257	207	167	135	118	-	-	-	269	217	175	142	749	603	487	395
48	9	47	31	85	75	66	08	53	32	8	5	6	8	3	952	769	623	9	2	4	1	9	5	4	0
<b>0.</b>	<b>0.5</b>	<b>486</b>	<b>391</b>	<b>315</b>	<b>255</b>	<b>74</b>	<b>59</b>	<b>48</b>	<b>39</b>	<b>257</b>	<b>207</b>	<b>167</b>	<b>135</b>	<b>118</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>269</b>	<b>216</b>	<b>174</b>	<b>141</b>	<b>749</b>	<b>602</b>	<b>485</b>	<b>393</b>
<b>49</b>	<b>0</b>	<b>98</b>	<b>51</b>	<b>88</b>	<b>70</b>	<b>58</b>	<b>96</b>	<b>38</b>	<b>16</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>950</b>	<b>767</b>	<b>621</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>9</b>	<b>3</b>
0.	0.5	486	390	314	254	74	59	48	39	257	206	166	134	118	-	-	-	269	216	174	141	748	601	484	391
5	1	49	73	93	68	51	84	23	01	3	7	6	7	1	949	765	618	3	3	4	0	4	1	5	8
0.	0.5	486	389	314	253	74	59	48	38	257	206	166	134	118	-	-	-	269	215	173	140	747	599	483	390
51	2	01	97	01	69	44	73	09	85	1	3	1	2	0	947	762	616	1	9	8	4	6	9	0	2
<b>0.</b>	<b>0.5</b>	<b>485</b>	<b>389</b>	<b>313</b>	<b>252</b>	<b>74</b>	<b>59</b>	<b>47</b>	<b>38</b>	<b>256</b>	<b>205</b>	<b>165</b>	<b>133</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>268</b>	<b>215</b>	<b>173</b>	<b>139</b>	<b>746</b>	<b>598</b>	<b>481</b>	<b>388</b>
<b>52</b>	<b>3</b>	<b>55</b>	<b>22</b>	<b>11</b>	<b>72</b>	<b>36</b>	<b>61</b>	<b>95</b>	<b>70</b>	<b>8</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>945</b>	<b>760</b>	<b>613</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>9</b>	<b>9</b>	<b>7</b>	<b>7</b>	<b>8</b>
0.	0.5	485	388	312	251	74	59	47	38	256	205	165	133	117	-	-	-	268	215	172	139	746	597	480	387
53	4	09	49	22	77	29	50	82	56	6	5	1	2	8	943	758	611	5	1	9	4	2	6	3	3
0.	0.5	484	387	311	250	74	59	47	38	256	205	164	132	117	-	-	-	268	214	172	138	745	596	479	385
54	5	64	77	36	84	23	39	69	42	3	1	7	7	7	941	756	609	3	7	4	9	5	5	0	9
<b>0.</b>	<b>0.5</b>	<b>484</b>	<b>387</b>	<b>310</b>	<b>249</b>	<b>74</b>	<b>59</b>	<b>47</b>	<b>38</b>	<b>256</b>	<b>204</b>	<b>164</b>	<b>132</b>	<b>117</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>268</b>	<b>214</b>	<b>171</b>	<b>138</b>	<b>744</b>	<b>595</b>	<b>477</b>	<b>384</b>
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0.	0.5	483	386	309	249	74	59	47	38	255	204	163	131	117	-	-	-	267	213	171	137	744	594	476	383
56	7	77	37	68	04	09	18	43	14	9	4	8	7	4	938	752	605	8	9	4	9	2	4	4	1
0.	0.5	483	385	308	248	74	59	47	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
57	8	34	70	87	17	03	07	31	01	255	204	163	131	117	936	750	602	267	213	171	137	743	593	475	381

								7	0	4	3	3				6	5	0	4	5	3	1	8			
<b>0.</b>	<b>0.5</b>	482	385	308	247	73	58	47	37	255	203	163	130	117	-	-	267	213	170	136	742	592	473	380		
<b>58</b>	<b>9</b>	93	03	07	32	96	97	18	88	4	7	0	8	2	935	-	748	600	4	2	6	9	9	3	9	4
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62	3	33	50	04	07	72	58	72	38	6	3	3	1	8	929	741	593	5	8	9	1	4	4	2	5	
0.	0.6	480	381	304	243	73	58	46	37	254	202	161	128	116	-	-	266	211	168	134	739	587	468	374		
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65	6	21	71	90	80	55	31	39	03	0	4	2	9	6	924	735	587	8	8	7	9	7	6	0	0	
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66	7	84	13	21	07	49	22	29	92	8	1	9	5	5	923	734	585	6	4	3	5	1	8	9	8	
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69	0	79	46	22	95	33	96	98	60	2	2	8	4	2	919	729	580	1	5	2	3	5	2	8	6	
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<b>0.</b>	<b>0.7</b>	477	376	297	236	73	57	45	36	252	199	157	125	115	-	-	264	208	164	130	734	578	458	363		
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0.	0.7	477	375	297	235	73	57	45	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

74	5	13	84	11	66	07	56	50	09	252	198	157	124	115	912	721	572	264	208	164	130	734	578	457	362	
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<b>0.</b>	<b>0.7</b>	<b>476</b>	<b>374</b>	<b>295</b>	<b>234</b>	<b>72</b>	<b>57</b>	<b>45</b>	<b>35</b>	<b>252</b>	<b>198</b>	<b>156</b>	<b>124</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>263</b>	<b>207</b>	<b>163</b>	<b>129</b>	<b>733</b>	<b>576</b>	<b>455</b>	<b>360</b>	
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<b>0.</b>	<b>0.8</b>	<b>475</b>	<b>373</b>	<b>294</b>	<b>232</b>	<b>72</b>	<b>57</b>	<b>45</b>	<b>35</b>	<b>251</b>	<b>197</b>	<b>155</b>	<b>123</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>263</b>	<b>206</b>	<b>162</b>	<b>128</b>	<b>731</b>	<b>574</b>	<b>452</b>	<b>357</b>	
<b>79</b>	<b>0</b>	<b>58</b>	<b>41</b>	<b>24</b>	<b>62</b>	<b>84</b>	<b>19</b>	<b>06</b>	<b>63</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>906</b>	<b>714</b>	<b>565</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>8</b>	
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0.	0.8	474	372	293	231	72	57	44	35	251	197	155	122	115	-	-	-	263	206	162	128	730	573	450	356	
81	2	99	48	14	47	75	05	90	45	2	0	1	4	3	904	712	562	0	2	3	1	7	0	9	1	
<b>0.</b>	<b>0.8</b>	<b>474</b>	<b>372</b>	<b>292</b>	<b>230</b>	<b>72</b>	<b>56</b>	<b>44</b>	<b>35</b>	<b>251</b>	<b>196</b>	<b>154</b>	<b>122</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>262</b>	<b>206</b>	<b>162</b>	<b>127</b>	<b>730</b>	<b>572</b>	<b>450</b>	<b>355</b>	
<b>82</b>	<b>3</b>	<b>70</b>	<b>03</b>	<b>61</b>	<b>91</b>	<b>70</b>	<b>98</b>	<b>81</b>	<b>36</b>	<b>1</b>	<b>8</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>903</b>	<b>710</b>	<b>561</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	
0.	0.8	474	371	292	230	72	56	44	35	250	196	154	121	115	-	-	-	262	205	161	127	729	571	449	354	
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<b>0.</b>	<b>0.8</b>	<b>473</b>	<b>370</b>	<b>291</b>	<b>229</b>	<b>72</b>	<b>56</b>	<b>44</b>	<b>35</b>	<b>250</b>	<b>196</b>	<b>153</b>	<b>121</b>	<b>115</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>262</b>	<b>205</b>	<b>161</b>	<b>126</b>	<b>728</b>	<b>570</b>	<b>447</b>	<b>352</b>	
<b>85</b>	<b>6</b>	<b>85</b>	<b>71</b>	<b>04</b>	<b>27</b>	<b>57</b>	<b>78</b>	<b>57</b>	<b>11</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>0</b>	<b>900</b>	<b>707</b>	<b>557</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>9</b>	<b>3</b>	<b>7</b>	<b>7</b>	
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0.	0.8	473	369	290	228	72	56	44	34	250	195	153	120	114	-	-	-	262	204	160	126	728	568	446	351	
87	8	31	85	04	21	49	64	42	95	3	6	4	7	9	898	704	554	0	8	6	3	1	9	2	1	
<b>0.</b>	<b>0.8</b>	<b>473</b>	<b>369</b>	<b>289</b>	<b>227</b>	<b>72</b>	<b>56</b>	<b>44</b>	<b>34</b>	<b>250</b>	<b>195</b>	<b>153</b>	<b>120</b>	<b>114</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>261</b>	<b>204</b>	<b>160</b>	<b>126</b>	<b>727</b>	<b>568</b>	<b>445</b>	<b>350</b>	
<b>88</b>	<b>9</b>	<b>04</b>	<b>43</b>	<b>54</b>	<b>69</b>	<b>45</b>	<b>58</b>	<b>35</b>	<b>87</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>897</b>	<b>703</b>	<b>553</b>	<b>9</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>3</b>	<b>4</b>	<b>3</b>	
0.	0.9	472	369	289	227	72	56	44	34	250	195	152	120	114	-	-	-	261	204	160	125	727	567	444	349	
89	0.9	77	02	06	18	41	52	27	79	1	2	9	2	8	896	702	552	7	3	0	8	3	7	7	5	
0.	0.9	472	368	288	226	72	56	44	34	249	195	152	119	114	-	-	-	261	204	159	125	726	567	443	348	
90	1	51	61	58	68	37	45	20	72	9	0	6	9	7	895	701	550	6	1	8	5	9	0	9	7	

0.	0.9	472	368	288	226	72	56	44	34	249	194	152	119	114	-	-	-	261	203	159	125	726	566	443	347
91	2	25	20	10	18	33	39	12	64	8	8	4	6	6	894	699	549	4	8	5	2	5	4	2	9
0.	0.9	471	367	287	225	72	56	44	34	249	194	152	119	114	-	-	-	261	203	159	124	726	565	442	347
92	3	99	80	63	69	29	33	05	57	7	5	1	4	6	893	698	548	3	6	2	9	1	8	5	2
0.	0.9	471	367	287	225	72	56	43	34	249	194	151	119	114	-	-	-	261	203	159	124	725	565	441	346
93	4	74	41	17	20	25	27	98	49	5	3	9	1	5	892	697	547	2	4	0	7	7	2	8	4
0.	0.9	471	367	286	224	72	56	43	34	249	194	151	118	114	-	-	-	261	203	158	124	725	564	441	345
94	5	49	02	71	73	21	21	91	42	4	1	7	9	5	891	696	546	0	2	7	4	3	6	0	7
0.	0.9	471	366	286	224	72	56	43	34	249	193	151	118	114	-	-	-	260	203	158	124	724	564	440	345
95	6	24	63	26	25	17	15	84	35	3	9	4	6	4	890	695	544	9	0	5	1	9	0	4	0
0.	0.9	471	366	285	223	72	56	43	34	249	193	151	118	114	-	-	-	260	202	158	123	724	563	439	344
96	7	00	25	81	79	14	09	77	27	1	7	2	4	3	889	694	543	7	8	2	9	5	4	7	3
0.	0.9	470	365	285	223	72	56	43	34	249	193	150	118	114	-	-	-	260	202	158	123	724	562	439	343
97	8	75	87	37	33	10	04	71	20	0	5	9	1	3	888	693	542	6	5	0	6	2	8	0	5
0.	0.9	470	365	284	222	72	55	43	34	248	193	150	117	114	-	-	-	260	202	157	123	723	562	438	342
98	9	51	50	94	87	06	98	64	13	9	3	7	9	2	887	692	541	5	3	7	4	8	2	3	8
0.	1.0	470	365	284	222	72	55	43	34	248	193	150	117	114	-	-	-	260	202	157	123	723	561	437	342
99	0	27	13	50	42	03	92	57	07	7	1	5	6	2	886	691	540	3	1	5	1	4	7	7	2

193S (North of Boston) --  
Congestion

		ND (1)				ND (2)				ND (3)				ND (4)				ND (5)				ND (6)							
OP	NP	0.05	-0.1	-0.15	-0.2	0.05	-	0.1	5	-0.2	5	0.1	5	0.2	0.0	5	1	5	2	0.0	5	0.1	5	0.2	0.0	5	-0.1	5	-0.2
0.	0.0	153	1530	1530	1530	-	174	174	174	174	-	93	-	93	-	226	22	226	22	-	63	-	63	-	154	154	154	154	154
0	1	05	5	5	5	1747	7	7	7	7	935	5	935	5	226	6	226	6	630	0	630	0	5	5	5	5	5		
0.	0.0	145	1391	1330	1275	-	158	151	145	145	-	85	-	77	-	215	20	197	18	-	57	-	52	-	147	140	134	128	-
1	2	76	4	9	4	1664	8	9	6	890	0	813	9	215	5	197	8	600	3	548	5	1	5	3	8	-	-	-	-
0.	0.0	142	1325	1238	1159	-	151	141	132	132	-	81	-	70	-	210	19	183	17	-	54	-	47	-	143	133	125	117	-
2	3	21	1	0	5	1623	3	3	3	869	0	756	8	210	6	183	1	585	5	510	7	6	8	0	0	-	-	-	-
0.	0.0	139	1282	1179	1087	-	146	134	124	124	-	78	-	66	-	207	18	174	16	-	52	-	44	-	141	129	119	109	-
3	4	88	4	1	0	1597	4	6	1	855	3	720	4	207	9	174	1	576	8	485	7	2	5	0	7	-	-	-	-
0.	0.0	138	1251	1136	1035	-	142	129	118	118	-	76	-	63	-	204	18	168	15	-	51	-	42	-	139	126	114	104	-
4	5	15	1	4	2	1577	8	7	2	844	4	694	2	204	5	168	3	569	5	468	6	5	3	7	5	-	-	-	-

0.0	0.0	136	1226	1103	9954	-	140	125	113	-	74	-	60	-	202	18	163	14	-	50	-	41	-	138	123	111	100
5	6	78	6	3	9954	1561	0	9	6	836	9	674	8	202	1	163	7	563	5	454	0	1	8	4	5		
0.0	0.0	135	1206	1076	9633	-	137	122	110	-	73	-	58	-	200	17	159	14	-	49	-	39	-	136	121	108	-
6	7	65	4	4	9633	1548	7	9	0	829	7	658	8	200	8	159	2	558	7	443	7	9	8	7	972		
<b>0.0</b>	<b>0.0</b>	134	1189	1053	9366	-	135	120	106	-	72	-	57	-	199	17	156	13	-	49	-	38	-	136	120	106	-
<b>7</b>	<b>8</b>	69	5	9	9366	1537	8	3	9	823	7	644	2	199	6	156	8	554	0	434	6	0	1	4	945		
0.0	0.0	133	1174	1034	9137	-	134	118	104	-	71	-	55	-	198	17	153	13	-	48	-	37	-	135	118	104	-
8	9	85	8	5	9137	1528	1	1	3	818	8	632	8	198	3	153	5	551	4	426	6	1	6	4	922		
0.0	0.1	133	1161	1017	8938	-	132	116	102	-	71	-	54	-	197	17	150	13	-	47	-	36	-	134	117	102	-
9	0	11	9	5	8938	1519	6	1	0	813	0	622	6	197	2	150	2	548	8	419	8	4	3	7	902		
<b>0.1</b>	<b>0.1</b>	132	1150	1002	8763	-	131	114	100	-	70	-	53	-	196	17	148	12	-	47	-	36	-	133	116	101	-
<b>0</b>	<b>1</b>	45	4	5	8763	1512	3	4	0	809	3	612	5	196	0	148	9	545	4	413	1	7	1	2	885		
0.1	0.1	131	1140			-	130	112	-	-	69	-	52	-	195	16	146	12	-	46	-	35	-	133	115	-	-
1	2	85	0	9890	8607	1505	1	9	982	805	6	604	6	195	8	146	7	543	9	407	4	1	1	998	869		
0.1	0.1	131	1130			-	129	111	-	-	69	-	51	-	194	16	144	12	-	46	-	34	-	132	114	-	-
2	3	30	6	9768	8466	1499	0	5	966	802	1	597	7	194	7	144	5	540	5	402	8	5	1	986	855		
<b>0.1</b>	<b>0.1</b>	130	1121	9656	8337	-	128	110	-	-	68	-	50	-	193	16	143	12	-	46	-	34	-	132	113	-	-
<b>3</b>	<b>4</b>	80	9	9656	8337	1493	1	2	952	799	5	590	9	193	6	143	3	538	2	397	3	0	3	975	842		
0.1	0.1	130	1114			-	127	109	-	-	68	-	50	-	192	16	141	12	-	45	-	33	-	131	112	-	-
4	5	34	0	9554	8220	1488	2	1	938	796	1	584	2	192	4	141	1	536	9	393	8	6	5	964	830		
0.1	0.1	129	1106	9459	8112	-	126	108	-	-	67	-	49	-	192	16	140	12	-	45	-	33	-	131	111	-	-
5	6	90	6	9459	8112	1483	3	0	926	794	6	578	6	192	3	140	0	535	6	389	4	1	7	955	819		
<b>0.1</b>	<b>0.1</b>	129	1099			-	125	107	-	-	67	-	48	-	191	16	138	11	-	45	-	33	-	130	111	-	-
<b>6</b>	<b>7</b>	50	7	9371	8012	1478	5	0	914	791	2	573	9	191	2	138	8	533	3	386	0	7	0	946	809		
0.1	0.1	129	1093			-	124	106	-	-	66	-	48	-	191	16	137	11	-	45	-	32	-	130	110	-	-
7	8	12	3	9289	7918	1474	8	0	904	789	8	568	4	191	1	137	7	531	0	382	6	3	4	938	799		
0.1	0.1	128	1087	9213	7831	-	124	105	-	-	66	-	47	-	190	16	136	11	-	44	-	32	-	130	109	-	-
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0.1	<b>0.2</b>	128	1081			-	123	104	-	-	66	-	47	-	190	16	135	11	-	44	-	31	-	129	109	-	-
9	<b>0</b>	42	6	9141	7750	1466	5	3	885	785	1	558	3	190	0	135	4	529	5	376	9	6	2	923	782		
<b>0.2</b>	0.2	128	1076	9072	7673	-	122	103	-	-	65	-	46	-	189	15	134	11	-	44	-	31	-	129	108	-	-
0.2	0.2	127	1071			-	-	-	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-			
1	2	80	1	9008	7601	1459	122	102	868	781	65	550	46	189	8	133	2	526	44	371	31	129	108	909	767		

						3	8		4	4				1	3	0	1									
0.2 2	<b>0.2 3</b>	127 51	1066 2	8947	7532	1455	-	121 7	102 1	-	779 1	65 547	- 0	46 188	15 7	132 1	11 525	43 9	31 368	0 0	128 7	107 6	- 903	- 760		
<b>0.2 3</b>	0.2 4	127 23	1061 6	8889	7467	1452	-	121 2	101 5	-	777 9	64 543	- 6	45 188	15 7	131 0	11 524	43 7	30 366	7 7	128 4	107 2	- 897	- 754		
0.2 4	0.2 5	126 97	1057 2	8834	7406	1449	-	120 7	100 8	-	776 6	64 540	- 2	45 187	15 6	130 130	10 9	43 523	- 5	30 364	5 5	128 2	106 7	- 892	- 748	
0.2 5	<b>0.2 6</b>	126 71	1053 0	8781	7347	1446	-	120 2	100 2	-	774 3	64 536	- 9	44 187	15 5	130 8	10 8	43 522	- 3	30 361	2 2	127 9	106 3	- 886	- 742	
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0.2 7	0.2 8	126 24	1045 1	8683	7237	1441	-	119 3	-	-	771 8	63 530	- 2	44 186	15 4	128 128	10 7	43 520	- 0	29 357	8 8	127 4	105 5	- 876	- 731	
0.2 8	<b>0.2 9</b>	126 01	1041 4	8636	7186	1438	-	118 9	-	-	770 6	63 528	- 9	43 186	15 4	128 128	10 6	42 519	- 9	29 356	6 6	127 2	105 1	- 872	- 725	
<b>0.2 9</b>	0.3 0.3	125 79	1037 8	8592	7137	1436	-	118 5	-	-	768 4	63 525	- 6	43 186	15 3	127 127	10 5	42 518	- 7	29 354	4 4	127 0	104 8	- 867	- 720	
0.3 0.3	125 1	1034 58	-	8549	7089	1433	-	118 1	-	-	767 2	63 522	- 3	43 185	15 3	126 126	10 5	42 517	- 6	29 352	2 2	126 8	104 4	- 863	- 716	
0.3 1	<b>0.3 2</b>	125 38	1031 0	8508	7044	1431	-	117 7	-	-	766 0	63 520	- 0	43 185	15 2	126 126	10 4	42 516	- 4	29 350	0 0	126 6	104 1	- 859	- 711	
<b>0.3 2</b>	0.3 3	125 19	1027 8	8468	7000	1429	-	117 3	-	-	765 8	62 517	- 8	42 185	15 2	125 125	10 3	42 515	- 3	28 349	8 8	126 4	103 8	- 855	- 707	
0.3 3	0.3 4	125 00	1024 7	8430	6958	1427	-	117 0	-	-	764 6	62 515	- 5	42 185	15 1	124 124	10 3	42 515	- 2	28 347	6 6	126 2	103 4	- 851	- 702	
0.3 4	<b>0.3 5</b>	124 81	1021 7	8393	6917	1425	-	116 6	-	-	763 4	62 513	- 3	42 184	15 1	124 124	10 2	42 514	- 1	28 345	5 5	126 0	103 1	- 847	- 698	
<b>0.3 5</b>	0.3 6	124 64	1018 8	8357	6878	1423	-	116 3	-	-	761 2	62 511	- 0	42 184	15 0	123 123	10 2	41 513	- 9	28 344	3 3	125 8	102 8	- 844	- 694	
0.3 6	0.3 7	124 46	1016 0	8323	6840	1421	-	116 0	-	-	760 1	62 508	- 8	41 184	15 0	123 123	10 1	41 512	- 8	28 343	2 2	125 6	102 6	- 840	- 690	
0.3 7	<b>0.3 8</b>	124 30	1013 2	8289	6803	1419	-	115 7	-	-	759 9	61 506	- 6	41 184	15 0	122 122	10 0	41 512	- 7	28 341	0 0	125 5	102 3	- 837	- 687	
0.3 8	0.3	124 124	1010 10	8256	6768	-	-	-	-	-	-	-	-	183 14	122 122	10	-	-	-	-	-	-	-	-	-	-

8	9	13	6			1417	115	942	772	758	61	504	41	9	0	511	41	340	27	125	102	833	683		
<b>0.3</b>	<b>0.4</b>	123	1008	97	0	8225	6733	1415	-	115	-	-	41	-	-	-	510	41	-	27	125	101	-	-	
<b>9</b>	<b>0</b>						1	939	769	757	6	502	1	183	9	121	99	510	5	339	7	1	8	830	680
<b>0.4</b>	<b>1</b>	123	1005	82	5	8194	6700	1413	-	114	-	-	-	61	-	40	-	-	41	-	27	125	101	-	-
0.4	1						8	935	765	756	4	501	9	183	8	121	99	510	4	337	6	0	5	827	676
0.4	0.4	123	1003	67	0	8164	6667	1412	-	114	-	-	-	61	-	40	-	-	41	-	27	124	101	-	-
1	2						5	932	761	755	3	499	7	183	8	121	98	509	3	336	4	8	3	824	673
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3	3						2	929	757	755	1	497	5	182	8	120	98	508	2	335	3	7	0	821	670
0.4	<b>0.4</b>	123	9983	38	8107	6605	1408	-	114	-	-	-	61	-	40	-	-	41	-	27	124	100	-	-	
4	4						0	925	754	754	0	495	3	182	7	120	98	508	1	334	2	5	8	818	667
0.4	0.4	123	9961	24	8079	6575	1407	-	113	-	-	-	60	-	40	-	-	41	-	27	124	100	-	-	
4	5						7	922	750	753	9	494	2	182	7	119	97	507	0	333	1	4	6	816	664
<b>0.4</b>	<b>5</b>	123	9939	10	8052	6546	1405	-	113	-	-	-	60	-	40	-	-	40	-	26	124	100	-	-	
6	6						4	919	747	752	7	492	0	182	7	119	97	507	9	331	9	3	3	813	661
0.4	<b>0.4</b>	122	9917	67	8026	6517	1404	-	113	-	-	-	60	-	39	-	-	40	-	26	124	100	-	-	
6	7						2	916	744	751	6	490	8	182	6	119	96	506	8	330	8	1	1	810	658
0.4	0.4	122	9896	78	8001	6490	1402	-	113	-	-	-	60	-	39	-	-	40	-	26	124	100	-	-	
7	8						0	913	741	750	5	489	6	181	6	118	96	506	7	329	7	0	999	808	655
<b>0.4</b>	<b>8</b>	122	9875	71	7976	6463	1401	-	112	-	-	-	60	-	39	-	-	40	-	26	123	-	-	-	
9	9						7	910	738	750	3	487	5	181	6	118	95	505	7	328	6	9	997	805	652
0.4	<b>0.5</b>	122	9855	58	7951	6437	1399	-	112	-	-	-	60	-	39	-	-	40	-	26	123	-	-	-	
9	0						5	908	735	749	2	486	3	181	6	117	95	505	6	327	5	7	995	803	650
0.5	0.5	122	9836	46	7928	6411	1398	-	112	-	-	-	60	-	39	-	-	40	-	26	123	-	-	-	
0	1						3	905	732	748	1	484	2	181	5	117	95	504	5	326	4	6	993	800	647
<b>0.5</b>	<b>1</b>	122	9816	34	7904	6386	1396	-	112	-	-	-	60	-	39	-	-	40	-	26	123	-	-	-	
2	2						0	902	729	747	0	483	0	181	5	117	94	504	4	325	3	5	991	798	645
0.5	<b>3</b>	122	9798	22	7882	6361	1395	-	111	-	-	-	59	-	38	-	-	40	-	26	123	-	-	-	
2	3						8	900	726	747	9	481	9	180	5	116	94	503	3	324	2	4	989	796	642
0.5	0.5	122	9779	11	7859	6338	1394	-	111	-	-	-	59	-	38	-	-	40	-	26	123	-	-	-	
3	4						6	897	723	746	7	480	7	180	4	116	94	503	3	324	1	3	987	793	640
<b>0.5</b>	<b>4</b>	121	9761	99	7838	6314	1393	-	111	-	-	-	59	-	38	-	-	40	-	26	123	-	-	-	
5	5						4	895	721	745	6	479	6	180	4	116	93	502	2	323	0	2	985	791	637

0.5	0.5	121	88	9743	7816	6291	1391	-	111	-	892	-	718	745	-	59	-	38	180	14	4	115	93	502	-	40	-	25	123	-	984	-	789	-	635
0.5	0.5	121	78	9726	7795	6269	1390	-	111	-	-	-	716	744	-	59	-	38	180	14	4	115	93	501	-	40	-	25	122	-	-	-	-	-	
0.5	0.5	121	67	9709	7775	6247	1389	-	110	-	-	-	713	743	-	59	-	38	180	14	3	115	92	501	-	40	-	25	122	-	-	-	-	-	
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0.5	0.6	121	46	9676	7735	6204	1386	-	110	-	-	-	708	742	-	59	-	37	179	14	3	114	92	500	-	39	-	25	122	-	-	-	-	-	
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0.6	0.6	121	16	9628	7678	6144	1383	-	109	-	-	-	701	740	-	58	-	37	179	14	2	113	91	499	-	39	-	25	122	-	-	-	-	-	
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0.6	0.6	120	97	9598	7642	6105	1381	-	109	-	-	-	697	739	-	58	-	37	179	14	2	113	90	498	-	39	-	25	122	-	-	-	-	-	
0.6	0.6	120	88	9583	7625	6087	1380	-	109	-	-	-	695	738	-	58	-	37	178	14	2	113	90	498	-	39	-	25	122	-	-	-	-	-	
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0.6	0.6	120	61	9541	7574	6032	1377	-	108	-	-	-	689	737	-	58	-	36	178	14	1	112	89	496	-	39	-	24	121	-	-	-	-	-	
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0.7 2	0.7 3	120 27	9487 9474	7510 7494	5964 5948	1373 1372	- 108 3 855 679	- - 735 0 459 4	- 58 - - 459 4	36 - - - 36	178 177 0 111 88	14 14 0 111 88	39 - 0 309 6	24 - - - 24	121 4 958 - 758	- - 602
<b>0.7 3</b>	<b>0.7 4</b>	120 18	9474 9448	7494 7464	5948 5916	1372 1371	- 108 0 854 677	- - 734 9 458 3	- 57 - - 458 3	36 - - - 36	177 177 0 110 88	14 14 0 110 88	39 - 0 308 5	24 - - - 24	121 3 956 - 757	- - 600
0.7 4	0.7 5	120 10	9461 9448	7479 7464	5932 5916	1371 1370	- 108 0 852 675	- - 734 8 457 2	- 57 - - 457 2	36 - - - 36	177 177 0 110 87	14 14 0 110 87	38 - 9 308 4	24 - - - 24	121 2 955 - 755	- - 599
0.7 5	0.7 6	120 02	9448 9448	7464 7464	5916 5916	1370 1369	- 107 - 7 850 674	- - 733 7 456 1	- 57 - - 456 1	36 - - - 36	177 177 0 110 87	14 14 0 110 87	38 - 9 307 4	24 - - - 24	121 2 954 - 753	- - 597
0.7 6	<b>0.7 7</b>	119 94	9436 9436	7449 7449	5901 5901	1369 1369	- 107 7 850 674	- - 733 6 455 0	- 57 - - 455 0	36 - - - 36	177 177 9 110 87	13 13 0 110 87	38 - 8 307 3	24 - - - 24	121 1 953 - 752	- - 596
<b>0.7 7</b>	0.7 8	119 87	9424 9424	7435 7435	5885 5885	1368 1368	- 107 6 849 672	- - 732 6 454 0	- 57 - - 454 0	36 - - - 36	177 177 9 110 87	13 13 0 110 87	38 - 8 306 2	24 - - - 24	121 0 951 - 751	- - 594
0.7 8	0.7 9	119 79	9412 9412	7421 7421	5870 5870	1367 1367	- 107 4 847 670	- - 732 5 453 9	- 57 - - 453 9	35 - - - 35	177 177 9 110 87	13 13 0 110 87	38 - 7 305 2	24 - - - 24	120 9 950 - 749	- - 593
0.7 9	<b>0.8 0</b>	119 71	9400 9400	7407 7407	5856 5856	1366 1366	- 107 3 845 668	- - 731 4 452 8	- 57 - - 452 8	35 - - - 35	177 177 9 109 86	13 13 0 109 86	38 - 7 305 1	24 - - - 24	120 8 949 - 748	- - 591
<b>0.8 0</b>	0.8 1	119 64	9388 9388	7393 7393	5841 5841	1366 1366	- 107 2 844 667	- - 731 4 452 7	- 57 - - 452 7	35 - - - 35	177 177 9 109 86	13 13 0 109 86	38 - 6 304 0	24 - - - 24	120 8 948 - 746	- - 590
0.8 1	0.8 2	119 57	9376 9376	7379 7379	5827 5827	1365 1365	- 107 0 842 665	- - 730 3 451 6	- 57 - - 451 6	35 - - - 35	177 177 8 109 86	13 13 0 109 86	38 - 6 304 0	24 - - - 24	120 7 947 - 745	- - 588
0.8 2	<b>0.8 3</b>	119 49	9365 9365	7366 7366	5812 5812	1364 1364	- 106 9 841 663	- - 730 2 450 5	- 57 - - 450 5	35 - - - 35	176 176 8 109 86	13 13 0 109 86	38 - 5 303 9	23 - - - 23	120 6 945 - 744	- - 587
<b>0.8 3</b>	0.8 4	119 42	9354 9354	7352 7352	5798 5798	1363 1363	- 106 8 839 662	- - 730 1 449 4	- 57 - - 449 4	35 - - - 35	176 176 8 109 86	13 13 0 109 86	38 - 5 303 9	23 - - - 23	120 6 944 - 742	- - 585
0.8 4	0.8 5	119 35	9342 9342	7339 7339	5785 5785	1362 1362	- 106 6 838 660	- - 729 1 448 3	- 57 - - 448 3	35 - - - 35	176 176 8 108 85	13 13 0 108 85	38 - 5 302 8	23 - - - 23	120 5 943 - 741	- - 584
0.8 5	<b>0.8 6</b>	119 28	9332 9332	7326 7326	5771 5771	1362 1362	- 106 5 836 659	- - 729 0 448 3	- 57 - - 448 3	35 - - - 35	176 176 8 108 85	13 13 0 108 85	38 - 4 302 8	23 - - - 23	120 4 942 - 740	- - 583
<b>0.8 6</b>	0.8 7	119 21	9321 9321	7313 7313	5758 5758	1361 1361	- 106 4 835 657	- - 728 9 447 2	- 56 - - 447 2	35 - - - 35	176 176 8 108 85	13 13 0 108 85	38 - 4 301 7	23 - - - 23	120 3 941 - 738	- - 581
0.8 7	0.8 8	119 14	9310 9310	7301 7301	5745 5745	1360 1360	- 106 3 833 656	- - 728 9 446 1	- 56 - - 446 1	35 - - - 35	176 176 7 108 85	13 13 0 108 85	38 - 3 301 6	23 - - - 23	120 3 940 - 737	- - 580
<b>0.8 8</b>	<b>0.8</b>	119 119	9299 9299	7288 7288	5732 5732	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	176 176 13 108 85	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

8	9	07				1359	106	832	654	727	56	445	35		7		490	38	300	23	120	939	736	579			
						1	-	-	-	8	0	-	-				3	3	-	6	2	-	-	-			
<b>0.8</b>	<b>9</b>	<b>119</b>	<b>01</b>	<b>9289</b>	<b>7276</b>	<b>5719</b>	<b>1358</b>	<b>106</b>	<b>-</b>	<b>-</b>	<b>56</b>	<b>-</b>	<b>34</b>	<b>9</b>	<b>176</b>	<b>13</b>	<b>107</b>	<b>84</b>	<b>490</b>	<b>38</b>	<b>-</b>	<b>23</b>	<b>120</b>	<b>-</b>	<b>-</b>		
<b>0.9</b>	<b>0.9</b>	<b>119</b>	<b>01</b>	<b>9289</b>	<b>7276</b>	<b>5719</b>	<b>1358</b>	<b>0</b>	<b>831</b>	<b>653</b>	<b>727</b>	<b>7</b>	<b>445</b>	<b>9</b>	<b>176</b>	<b>7</b>	<b>107</b>	<b>84</b>	<b>490</b>	<b>2</b>	<b>300</b>	<b>5</b>	<b>120</b>	<b>1</b>	<b>938</b>	<b>735</b>	<b>577</b>
0.9	1	118	94	9279	7264	5706	1358	9	829	651	727	7	444	9	176	7	107	84	490	2	299	5	1	937	733	576	
0.9	1	118	88	9268	7252	5693	1357	8	828	650	726	6	443	8	176	7	107	84	489	2	299	4	0	936	732	575	
<b>0.9</b>	<b>2</b>	<b>118</b>	<b>81</b>	<b>9258</b>	<b>7240</b>	<b>5681</b>	<b>1356</b>	<b>7</b>	<b>826</b>	<b>648</b>	<b>726</b>	<b>6</b>	<b>442</b>	<b>7</b>	<b>175</b>	<b>13</b>	<b>107</b>	<b>84</b>	<b>489</b>	<b>1</b>	<b>298</b>	<b>4</b>	<b>119</b>	<b>-</b>	<b>-</b>	<b>-</b>	
0.9	3	118	75	9248	7229	5669	1355	6	825	647	725	5	442	6	175	7	107	84	489	1	298	3	9	934	730	572	
0.9	4	118	68	9239	7217	5657	1355	5	824	646	725	4	441	6	175	6	107	84	489	0	297	3	8	933	729	571	
0.9	5	118	62	9229	7206	5645	1354	3	823	644	725	4	440	5	175	6	106	83	488	0	297	2	7	932	727	570	
<b>0.9</b>	<b>6</b>	<b>118</b>	<b>56</b>	<b>9219</b>	<b>7195</b>	<b>5633</b>	<b>1353</b>	<b>2</b>	<b>821</b>	<b>643</b>	<b>724</b>	<b>3</b>	<b>440</b>	<b>4</b>	<b>175</b>	<b>6</b>	<b>106</b>	<b>83</b>	<b>488</b>	<b>9</b>	<b>296</b>	<b>2</b>	<b>7</b>	<b>931</b>	<b>726</b>	<b>569</b>	
0.9	7	118	50	9210	7183	5622	1353	1	820	642	724	3	439	3	175	6	106	83	488	9	296	1	6	930	725	567	
0.9	8	118	44	9200	7172	5610	1352	0	819	640	724	2	438	3	175	6	106	83	488	9	295	1	6	929	724	566	
<b>0.9</b>	<b>9</b>	<b>118</b>	<b>38</b>	<b>9191</b>	<b>7162</b>	<b>5599</b>	<b>1351</b>	<b>9</b>	<b>817</b>	<b>639</b>	<b>723</b>	<b>1</b>	<b>438</b>	<b>2</b>	<b>175</b>	<b>6</b>	<b>106</b>	<b>83</b>	<b>487</b>	<b>8</b>	<b>295</b>	<b>0</b>	<b>5</b>	<b>928</b>	<b>723</b>	<b>565</b>	
<b>1.0</b>	<b>1</b>	<b>118</b>	<b>32</b>	<b>9182</b>	<b>7151</b>	<b>5588</b>	<b>1351</b>	<b>8</b>	<b>816</b>	<b>638</b>	<b>723</b>	<b>1</b>	<b>437</b>	<b>1</b>	<b>175</b>	<b>6</b>	<b>106</b>	<b>83</b>	<b>487</b>	<b>8</b>	<b>294</b>	<b>0</b>	<b>4</b>	<b>927</b>	<b>722</b>	<b>564</b>	
1.0	1	118	26	9173	7140	5577	1350	7	815	637	722	0	436	1	175	5	105	82	487	8	294	0	4	926	721	563	
<b>1.0</b>	<b>2</b>	<b>118</b>	<b>20</b>	<b>9164</b>	<b>7130</b>	<b>5566</b>	<b>1349</b>	<b>6</b>	<b>814</b>	<b>635</b>	<b>722</b>	<b>0</b>	<b>436</b>	<b>0</b>	<b>175</b>	<b>5</b>	<b>105</b>	<b>82</b>	<b>487</b>	<b>7</b>	<b>293</b>	<b>9</b>	<b>3</b>	<b>925</b>	<b>720</b>	<b>562</b>	
1.0	3	118	15	9155	7119	5555	1349	5	813	634	722	9	435	9	174	5	105	82	486	7	293	9	3	924	719	561	
1.0	4	118	09	9146	7109	5544	1348	4	811	633	721	9	434	9	174	5	105	82	486	6	293	8	2	923	718	560	

<b>1.0</b>	<b>1.0</b>	118	03	9138	7099	5534	-	104	-	810	632	-	721	55	-	33	-	174	13	105	82	-	37	-	22	-	119	-	-	717	-	559
1.0	<b>1.0</b>	117	98	9129	7089	5523	-	104	-	-	-	-	721	55	-	33	-	174	13	105	82	-	37	-	22	-	119	-	-	716	-	558
1.0	1.0	117	92	9120	7079	5513	-	104	-	-	-	-	720	55	-	33	-	174	13	105	81	-	37	-	22	-	119	-	-	715	-	557
<b>1.0</b>	1.0	117	87	9112	7069	5503	-	104	-	-	-	-	720	55	-	33	-	174	13	104	81	-	37	-	22	-	119	-	-	714	-	556
1.0	<b>1.1</b>	117	81	9104	7060	5493	-	103	-	-	-	-	720	55	-	33	-	174	13	104	81	-	37	-	22	-	118	-	-	713	-	554
1.1	1.1	117	76	9095	7050	5483	-	103	-	-	-	-	719	55	-	33	-	174	13	104	81	-	37	-	22	-	118	-	-	712	-	553
<b>1.1</b>	1.1	117	71	9087	7040	5473	-	103	-	-	-	-	719	55	-	33	-	174	13	104	81	-	37	-	22	-	118	-	-	711	-	552
1.1	<b>1.1</b>	117	65	9079	7031	5463	-	103	-	-	-	-	719	55	-	33	-	174	13	104	81	-	37	-	22	-	118	-	-	710	-	551
1.1	1.1	117	60	9071	7022	5454	-	103	-	-	-	-	718	55	-	33	-	174	13	104	81	-	37	-	22	-	118	-	-	709	-	551
<b>1.1</b>	1.1	117	55	9063	7012	5444	-	103	-	-	-	-	718	55	-	33	-	174	13	104	80	-	37	-	22	-	118	-	-	708	-	550
1.1	<b>1.1</b>	117	50	9055	7003	5435	-	103	-	-	-	-	718	55	-	33	-	174	13	103	80	-	37	-	22	-	118	-	-	707	-	549
1.1	1.1	117	45	9047	6994	5425	-	103	-	-	-	-	718	55	-	33	-	173	13	103	80	-	37	-	22	-	118	-	-	706	-	548
<b>1.1</b>	1.1	117	40	9040	6985	5416	-	103	-	-	-	-	717	55	-	33	-	173	13	103	80	-	37	-	22	-	118	-	-	705	-	547
1.1	<b>1.1</b>	117	35	9032	6976	5407	-	103	-	-	-	-	717	55	-	33	-	173	13	103	80	-	37	-	22	-	118	-	-	704	-	546
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<b>1.2</b>	1.2	117	20	9009	6950	5380	-	102	-	-	-	-	716	55	-	32	-	173	13	103	79	-	37	-	22	-	118	-	-	702	-	543

						8			0	9					1	1	3		
1.2	1.2	117	15	9002	6942	5371	-	102	-	792	613	716	0	424	8	173	13	103	79
2	3						1337	8	-	-	-	-	-	-	-	482	1	286	1
																	37	-	22
																	118	-	-
1.2	1.2	117	11	8995	6933	5362	-	102	-	-	-	715	0	424	8	173	13	102	79
3	4						1337	7	791	612	-	-	-	-	-	482	0	285	1
																	37	-	22
																	118	-	-
<b>1.2</b>	<b>1.2</b>	<b>117</b>	<b>06</b>	<b>8988</b>	<b>6925</b>	<b>5354</b>	<b>-</b>	<b>102</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>715</b>	<b>9</b>	<b>423</b>	<b>7</b>	<b>173</b>	<b>13</b>	<b>102</b>	<b>79</b>
<b>4</b>	<b>5</b>						1336	6	790	611	-	-	-	-	-	482	0	285	0
																	2	<b>907</b>	<b>699</b>
																		<b>540</b>	
1.2	1.2	117	01	8980	6917	5345	-	102	-	-	-	715	9	423	7	173	13	102	79
5	6						1336	5	790	610	-	-	-	-	-	482	0	285	0
																	1	<b>907</b>	<b>698</b>
																		<b>540</b>	
1.2	1.2	116	97	8973	6908	5337	-	102	-	-	-	715	8	422	6	173	13	102	79
6	7						1335	4	789	609	-	-	-	-	-	481	9	284	0
																	1	<b>906</b>	<b>697</b>
																		<b>539</b>	
<b>1.2</b>	<b>1.2</b>	<b>116</b>	<b>92</b>	<b>8966</b>	<b>6900</b>	<b>5328</b>	<b>-</b>	<b>102</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>714</b>	<b>8</b>	<b>422</b>	<b>6</b>	<b>173</b>	<b>13</b>	<b>102</b>	<b>79</b>
<b>7</b>	<b>8</b>						1335	3	788	608	-	-	-	-	-	481	9	284	9
																	0	<b>905</b>	<b>697</b>
																		<b>538</b>	
1.2	1.2	116	88	8959	6892	5320	-	102	-	-	-	714	7	421	5	173	13	102	79
8	9						1334	3	787	607	-	-	-	-	-	481	9	284	9
																	0	<b>904</b>	<b>696</b>
																		<b>537</b>	
1.2	1.3	116	83	8952	6884	5312	-	102	-	-	-	714	7	421	4	173	13	102	78
9	0						1334	2	786	606	-	-	-	-	-	481	8	283	9
																	9	<b>904</b>	<b>695</b>
																		<b>536</b>	
<b>1.3</b>	<b>1.3</b>	<b>116</b>	<b>78</b>	<b>8945</b>	<b>6876</b>	<b>5304</b>	<b>-</b>	<b>102</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>713</b>	<b>6</b>	<b>420</b>	<b>4</b>	<b>172</b>	<b>13</b>	<b>102</b>	<b>78</b>
<b>0</b>	<b>1</b>						1333	1	785	605	-	-	-	-	-	481	8	283	8
																	9	<b>903</b>	<b>694</b>
																		<b>535</b>	
1.3	1.3	116	74	8939	6868	5295	-	102	-	-	-	713	6	420	4	172	13	101	78
1	2						1333	0	784	604	-	-	-	-	-	481	8	283	8
																	8	<b>902</b>	<b>693</b>
																		<b>535</b>	
1.3	1.3	116	70	8932	6861	5287	-	102	-	-	-	713	6	419	3	172	13	101	78
2	3						1332	0	783	604	-	-	-	-	-	480	8	282	8
																	8	<b>902</b>	<b>693</b>
																		<b>534</b>	
<b>1.3</b>	<b>1.3</b>	<b>116</b>	<b>65</b>	<b>8925</b>	<b>6853</b>	<b>5280</b>	<b>-</b>	<b>101</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>713</b>	<b>5</b>	<b>419</b>	<b>3</b>	<b>172</b>	<b>13</b>	<b>101</b>	<b>78</b>
<b>3</b>	<b>4</b>						1332	9	782	603	-	-	-	-	-	480	7	282	7
																	8	<b>901</b>	<b>692</b>
																		<b>533</b>	
1.3	1.3	116	61	8918	6845	5272	-	101	-	-	-	712	5	418	2	172	13	101	78
4	5						1331	8	781	602	-	-	-	-	-	480	7	282	7
																	7	<b>900</b>	<b>691</b>
																		<b>532</b>	
1.3	1.3	116	57	8912	6838	5264	-	101	-	-	-	712	4	418	2	172	13	101	78
5	6						1331	7	780	601	-	-	-	-	-	480	7	281	7
																	7	<b>900</b>	<b>690</b>
																		<b>531</b>	
<b>1.3</b>	<b>1.3</b>	<b>116</b>	<b>52</b>	<b>8905</b>	<b>6830</b>	<b>5256</b>	<b>-</b>	<b>101</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>712</b>	<b>4</b>	<b>417</b>	<b>1</b>	<b>172</b>	<b>13</b>	<b>101</b>	<b>78</b>
<b>6</b>	<b>7</b>						1330	6	780	600	-	-	-	-	-	480	7	281	6
																	6	<b>898</b>	<b>689</b>
																		<b>530</b>	
1.3	1.3	116	48	8899	6823	5248	-	101	-	-	-	712	4	417	1	172	13	101	77
7	8						1330	6	779	599	-	-	-	-	-	479	6	281	6
																	6	<b>898</b>	<b>689</b>
																		<b>530</b>	

8	9	44				1329	101	778	598	711	54	416	32	1	479	36	281	21	117	898	688	529		
1.3	1.4	116	40	8886	6808	5233	-	101	-	-	54	-	32	-	-	36	-	21	117	-	-	-		
9	0					1329	4	777	597	711	3	416	0	172	1	101	77	479	6	280	5	897	687	528
1.4	1.4	116	35	8880	6801	5226	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
1	0					1328	4	776	597	711	2	415	9	172	1	100	77	479	6	280	5	896	687	528
1.4	1.4	116	31	8873	6793	5218	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
1	2					1328	3	775	596	711	2	415	9	172	1	100	77	479	5	280	5	896	686	527
1.4	1.4	116	27	8867	6786	5211	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
2	3					1327	2	775	595	710	2	415	8	172	1	100	77	479	5	279	5	895	685	526
1.4	1.4	116	23	8861	6779	5204	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
3	4					1327	1	774	594	710	1	414	8	172	1	100	77	478	5	279	4	894	684	525
1.4	1.4	116	19	8855	6772	5197	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
4	5					1326	1	773	593	710	1	414	7	172	1	100	77	478	4	279	4	894	684	525
1.4	1.4	116	15	8849	6765	5189	-	101	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
5	6					1326	0	772	592	710	1	413	7	172	1	100	77	478	4	278	4	893	683	524
1.4	1.4	116	11	8843	6758	5182	-	100	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
6	7					1325	9	771	592	709	0	413	7	171	1	100	77	478	4	278	3	893	682	523
1.4	1.4	116	07	8836	6751	5175	-	100	-	-	54	-	31	-	-	36	-	21	117	-	-	-		
7	8					1325	9	771	591	709	0	412	6	171	0	100	76	478	4	278	3	892	682	522
1.4	1.4	116	03	8831	6744	5168	-	100	-	-	53	-	31	-	-	36	-	21	117	-	-	-		
8	9					1324	8	770	590	709	9	412	6	171	0	100	76	478	3	278	3	891	681	522
1.4	1.5	115	99	8825	6738	5161	-	100	-	-	53	-	31	-	-	36	-	21	117	-	-	-		
9						1324	7	769	589	709	9	412	5	171	0	99	76	477	3	277	2	891	680	521

		193N (North of Boston) -- Congestion																										
OP	NP	ND (1)			ND (2)			ND (3)			ND (4)			ND (5)			ND (6)											
		0.0	5	-0.1	-0.15	-0.2	-0.05	0.1	5	0.2	0.0	5	1	0.1	5	2	0.0	5	0.1	5	0.2	0.0	5	-0.1	5	-0.2		
0.0	0	717	1	7171	7171	7171	2507	25	250	25	24	24	7	247	7	247	7	133	13	133	13	154	15	154	15	262	262	
0.0	1	683	0	6519	6236	5976	2388	22	218	20	22	20	127	12	116	11	146	14	134	12	249	238	228	218	8	5	1	6
0.0	0	666	6209	5801	5433	2329	21	202	18	230	21	200	18	124	11	108	10	143	13	124	11	-	-	-	-	-	-	-

2	3	3				71	8	99	4	7	4	59	3	14	2	34	7	67	243	227	212	198
<b>0.0</b>	<b>0.0</b>	655	4	6008	5524	5093	2291	21	193	17	226	20	190	17	122	11	103	95	140	12	118	10
<b>3</b>	<b>4</b>					01	1	81	7	5	4	22	2	1	8	91	7	94	7	219	202	186
0.0	0.0	647	3	5862	5325	4851	2263	20	186	16	223	20	183	16	120	10	994	90	139	12	114	10
4	5					49	2	96	7	2	9	95	1	6	1	60	4	42	8	214	194	177
<b>0.0</b>	<b>0.0</b>	640	9	5747	5170	4664	2241	20	180	16	221	19	178	16	119	10	965	87	137	12	111	10
<b>5</b>	<b>6</b>					09	7	31	8	1	7	73	1	1	7	35	1	02	4	210	189	170
0.0	0.0	635	6	5653	5044	4514	2222	19	176	15	219	19	174	15	118	10	942	84	136	12	108	97
6	7					76	3	78	5	5	7	55	3	3	6	15	4	0	5	206	184	165
<b>0.0</b>	<b>0.0</b>	631	1	5573	4938	4388	2206	19	172	15	217	19	170	15	117	10	922	81	135	11	106	94
<b>7</b>	<b>8</b>					48	6	34	2	1	8	41	1	9	6	98	1	3	8	203	180	160
0.0	0.0	627	1	5504	4847	4281	2193	19	169	14	216	19	167	14	117	10	905	79	134	11	104	92
8	9					24	4	97	0	7	1	28	1	7	8	83	2	0	4	201	177	156
<b>0.0</b>	<b>0.1</b>	623	7	5444	4767	4188	2180	19	166	14	215	18	164	14	116	10	890	78	134	11	102	90
<b>9</b>	<b>0</b>					03	7	64	8	4	5	16	4	2	0	70	4	0	1	199	174	153
0.1	0.1	620	6	5390	4697	4106	2170	18	164	14	214	18	162	14	115	10	877	76	133	11	100	88
0	1					84	2	35	6	1	9	06	1	7	4	58	9	2	0	197	171	150
<b>0.1</b>	<b>0.1</b>	617	8	5341	4634	4033	2160	18	162	14	213	18	160	13	115	99	865	75	132	11	102	90
<b>1</b>	<b>2</b>					67	0	10	4	9	4	7	3	2	8	48	996	7	228	199	174	153
0.1	0.1	615	2	5297	4577	3966	2151	18	160	13	212	18	158	13	114	98	855	74	132	11	983	85
2	3					52	0	87	2	7	9	9	9	1	2	38	2	0	0	193	167	145
<b>0.1</b>	<b>0.1</b>	612	9	5257	4524	3906	2143	18	158	13	211	18	156	13	114	98	845	72	131	11	972	83
<b>3</b>	<b>4</b>					38	2	66	1	5	4	2	5	2	7	30	9	9	224	192	165	142
0.1	0.1	610	7	5219	4476	3851	2135	18	156	13	210	18	154	13	114	97	836	71	131	11	962	82
4	5					25	5	46	0	3	0	5	3	0	2	22	8	8	223	190	163	140
<b>0.1</b>	<b>0.1</b>	608	6	5185	4432	3801	2128	18	154	13	210	17	153	13	113	96	828	71	130	11	952	81
<b>5</b>	<b>6</b>					13	9	29	9	1	6	8	6	0	8	14	952	7	222	189	162	139
0.1	0.1	606	7	5153	4391	3754	2121	18	153	13	209	17	151	12	113	96	820	70	130	11	944	80
6	7					01	5	12	7	9	3	2	2	1	4	07	7	7	221	188	160	137
<b>0.1</b>	<b>0.1</b>	605	0	5123	4352	3710	2115	17	152	12	208	17	150	12	113	95	813	69	130	11	935	79
<b>7</b>	<b>8</b>					91	2	97	6	8	0	7	3	0	0	1	935	7	221	187	159	135
0.1	0.1	603	3	5094	4317	3669	2109	17	150	12	208	17	149	12	112	95	806	68	129	10	928	78
8	9					81	9	83	5	6	6	1	6	5	6	95	928	9	220	186	157	134

<b>0.1</b>	<b>0.2</b>	601	7	5068	4283	3631	2104	17	149	12	207	17	5	148	12	112	94	800	67	129	10	920	78	220	-	185	-	156	-	132		
0.2	0.2	600	2	5042	4251	3595	2098	17	148	12	207	17	4	146	12	112	94	794	67	129	10	913	77	219	184	155	-	131	5	5		
<b>0.2</b>	<b>0.2</b>	598	8	5018	4221	3561	2093	17	147	12	206	17	3	145	12	111	93	788	66	128	10	907	76	219	183	154	-	130	0	6	4	3
0.2	0.2	597	4	4996	4192	3529	2089	17	146	12	206	17	2	144	12	111	93	783	65	128	10	901	75	218	182	153	-	129	5	7	3	1
<b>0.2</b>	<b>0.2</b>	596	1	4974	4165	3499	2084	17	145	12	205	17	1	143	12	111	92	778	65	128	10	895	75	218	181	152	-	128	1	9	3	0
0.2	0.2	594	9	4954	4139	3470	2080	17	144	12	205	17	1	143	12	111	92	773	64	127	10	889	74	217	181	151	-	126	6	2	4	9
0.2	<b>0.2</b>	593	7	4934	4114	3442	2076	17	143	12	204	17	0	142	11	110	92	768	64	127	10	884	74	217	180	150	-	125	2	5	5	9
<b>0.2</b>	0.2	592	6	4915	4091	3416	2072	17	143	11	204	16	9	141	11	110	91	764	63	127	10	879	73	216	179	149	-	125	7	8	6	0
0.2	<b>0.2</b>	591	5	4897	4068	3391	2068	17	142	11	204	16	9	140	11	110	91	760	63	127	10	874	72	216	179	148	-	124	3	1	8	0
<b>0.2</b>	0.2	590	4	4879	4046	3367	2064	17	141	11	203	16	8	139	11	110	91	756	62	126	10	870	72	216	178	148	-	123	0	5	0	2
0.2	<b>0.3</b>	589	4	4863	4026	3344	2061	17	140	11	203	16	7	139	11	110	90	752	62	126	10	865	71	215	177	147	-	122	6	9	3	3
<b>0.3</b>	0.3	588	4	4846	4006	3322	2057	16	140	11	203	16	7	138	11	109	90	748	62	126	10	861	71	215	177	146	-	121	2	3	5	5
0.3	<b>0.3</b>	587	5	4831	3986	3300	2054	16	139	11	202	16	6	137	11	109	90	744	61	126	10	857	70	214	176	145	-	120	9	7	8	7
<b>0.3</b>	0.3	586	6	4816	3968	3280	2051	16	138	11	202	16	6	137	11	109	89	741	61	126	10	853	70	214	176	145	-	120	5	1	1	0
0.3	<b>0.3</b>	585	7	4801	3950	3260	2047	16	138	11	202	16	5	136	11	109	89	738	60	125	10	849	70	214	175	144	-	119	2	6	5	2
<b>0.3</b>	0.3	584	8	4787	3932	3241	2044	16	137	11	201	16	5	135	11	109	89	734	60	125	10	845	69	213	175	143	-	118	9	1	8	6
0.3	<b>0.3</b>	584	9	4773	3916	3223	2042	16	136	11	201	16	4	135	11	109	89	731	60	125	10	841	69	213	174	143	-	117	5	26	26	3

2023-2024												2024-2025												2025-2026		
2023-2024			2024-2025			2025-2026			2023-2024			2024-2025			2025-2026			2023-2024			2024-2025			2025-2026		
Year	Month	Day	Year	Month	Day	Year	Month	Day	Year	Month	Day	Year	Month	Day	Year	Month	Day	Year	Month	Day	Year	Month	Day	2025-2026		
0.3 6	0.3 7	583 2	4760	3899	3205	2039	16	136	11	201	16	134	11	0	108 9	88 9	728 8	59 8	125 3	10 23	838 9	68 9	213 3	174 1	142 6	117 2
0.3 7	0.3 8	582 4	4747	3884	3188	2036	16	135	11	201	16	134	11	0	108 7	88 6	725 5	59 5	125 1	10 20	835 5	68 5	213 0	173 7	142 1	116 6
0.3 8	0.3 9	581 6	4735	3868	3171	2033	16	135	11	200	16	133	10	9	108 6	88 4	722 2	59 2	125 0	10 18	831 1	68 1	212 7	173 2	141 5	116 0
0.3 9	0.4 0	580 9	4723	3854	3155	2031	16	134	11	200	16	133	10	9	108 5	88 2	720 9	58 9	124 8	10 15	828 8	67 8	212 5	172 8	141 0	115 4
0.4 0	0.4 1	580 1	4711	3839	3139	2028	16	134	10	200	16	132	10	8	108 3	88 0	717 717	58 6	124 7	10 12	825 5	67 5	212 2	172 3	140 4	114 8
0.4 1	0.4 2	579 4	4700	3825	3124	2026	16	133	10	200	16	132	10	8	108 2	87 8	714 714	58 3	124 5	10 10	822 1	67 1	211 9	171 9	139 9	114 3
0.4 2	0.4 3	578 7	4688	3812	3109	2023	16	133	10	199	16	131	10	7	108 1	87 5	712 1	58 1	124 4	10 08	819 8	66 8	211 7	171 5	139 4	113 7
0.4 3	0.4 4	578 1	4678	3798	3095	2021	16	132	10	199	16	131	10	7	107 9	87 3	709 709	57 8	124 2	10 05	816 5	66 5	211 4	171 1	138 9	113 2
0.4 4	0.4 5	577 4	4667	3785	3081	2019	16	132	10	199	16	130	10	6	107 8	87 1	707 707	57 5	124 1	10 03	813 2	66 2	211 2	170 7	138 5	112 7
0.4 5	0.4 6	576 8	4657	3773	3067	2016	16	131	10	199	16	130	10	6	107 7	87 0	704 704	57 3	123 9	10 01	811 9	65 9	211 0	170 3	138 0	112 2
0.4 6	0.4 7	576 1	4647	3761	3054	2014	16	131	10	198	16	130	10	5	107 6	86 8	702 702	57 0	123 8	99 9	808 6	65 6	210 7	170 0	137 6	111 7
0.4 7	0.4 8	575 5	4637	3749	3041	2012	16	131	10	198	16	129	10	5	107 5	86 6	700 700	56 8	123 7	99 6	806 8	65 3	210 5	169 6	137 1	111 2
0.4 8	0.4 9	574 9	4627	3737	3028	2010	16	130	10	198	15	129	10	4	107 4	86 4	698 698	56 5	123 5	99 4	803 1	65 1	210 3	169 2	136 7	110 8
0.4 9	0.5 0	574 3	4618	3726	3016	2008	16	130	10	198	15	128	10	4	107 2	86 2	696 696	56 3	123 4	99 2	801 8	64 8	210 1	168 9	136 3	110 3
0.5 0	0.5 1	573 8	4608	3714	3004	2006	16	129	10	198	15	128	10	3	107 1	86 0	694 694	56 1	123 3	99 0	798 5	64 5	209 9	168 6	135 9	109 9
0.5 1	0.5 2	573 2	4599	3704	2992	2004	16	129	10	197	15	128	10	3	107 0	85 9	692 692	55 9	123 2	98 8	796 3	64 7	209 2	168 5	135 4	109 4
0.5 2	0.5 5	572 5	4591	3693	2981	2002	16	129	10	197	15	127	10	10	106 106	85 85	690 690	55 55	123 123	98 98	794 64	-	-	-	-	-

2	3	7				05	1	42	8	3	9	7	7	1	6	1	209	167	135	109		
<b>0.5</b>	<b>0.5</b>	<b>572</b>	1	4582	3682	2969	2000	16	128	10	197	15	8	10	106	85	55	122	98	63	209	
<b>3</b>	<b>4</b>						02	7	38		197	8	127	2	8	6	688	4	9	5	8	
0.5	0.5	571	6	4573	3672	2958	1998	15	128	10	197	15	8	126	2	7	4	686	55	122	98	
4	5						99	4	34		197	8	126	2	7	4	686	2	8	3	789	
<b>0.5</b>	<b>0.5</b>	<b>571</b>	1	4565	3662	2948	1996	15	128	10	197	15	7	126	2	6	2	684	55	122	98	
<b>5</b>	<b>6</b>						96	0	31		197	7	126	2	5	1	682	0	7	1	787	
0.5	0.5	570	6	4557	3652	2937	1995	15	127	10	197	15	7	126	1	5	1	682	54	122	97	
6	7						93	7	27		197	7	126	1	5	1	682	8	6	9	785	
<b>0.5</b>	<b>0.5</b>	<b>570</b>	1	4549	3643	2927	1993	15	127	10	196	15	7	125	1	4	9	680	54	122	97	
<b>7</b>	<b>8</b>						90	4	23		196	7	125	1	4	9	680	7	5	8	783	
0.5	0.5	569	6	4541	3633	2917	1991	15	127	10	196	15	6	125	0	4	8	678	54	122	97	
8	9						88	0	20		196	15	6	125	0	3	7	678	5	4	6	781
<b>0.5</b>	<b>0.6</b>	<b>569</b>	1	4533	3624	2907	1990	15	126	10	196	15	7	125	0	3	7	677	54	122	97	
<b>9</b>	<b>0</b>						85	7	16		196	6	125	0	3	7	677	3	3	4	779	
0.6	0.6	568	6	4526	3615	2897	1988	15	126	10	196	15	6	125	0	2	5	675	54	122	97	
0	1						82	4	13		196	15	6	125	0	2	5	675	1	2	3	777
<b>0.6</b>	<b>0.6</b>	<b>568</b>	2	4519	3606	2888	1986	15	126	10	196	15	6	124	99	1	4	673	53	122	97	
<b>1</b>	<b>2</b>						80	1	10		196	15	6	124	99	0	2	672	53	122	97	
0.6	0.6	567	7	4511	3598	2879	1985	15	125	10	196	15	5	124	99	0	2	672	53	122	96	
2	3						77	8	06		196	15	5	124	99	0	2	672	8	0	9	773
<b>0.6</b>	<b>0.6</b>	<b>567</b>	2	4504	3589	2870	1983	15	125	10	195	15	5	124	99	9	1	670	53	121	96	
<b>3</b>	<b>4</b>						75	5	03		195	15	5	124	99	9	1	670	9	9	8	771
0.6	0.6	566	8	4497	3581	2861	1982	15	125	10	195	15	5	123	99	8	0	669	53	121	96	
4	5						72	2	00		195	15	5	123	99	8	0	669	4	8	6	769
<b>0.6</b>	<b>0.6</b>	<b>566</b>	4	4490	3572	2852	1980	15	124	99	195	15	5	123	98	10	8	667	53	121	96	
<b>5</b>	<b>6</b>						70	9	07		195	15	5	123	98	8	8	667	3	7	5	768
0.6	0.6	565	9	4483	3564	2843	1979	15	124	99	195	15	4	123	98	7	7	666	53	121	96	
6	7						67	6	04		195	15	4	123	98	7	7	666	1	6	3	766
<b>0.6</b>	<b>0.6</b>	<b>565</b>	5	4477	3556	2835	1977	15	124	99	195	15	4	122	98	10	5	664	52	121	96	
<b>7</b>	<b>8</b>						65	3	01		195	15	4	122	98	6	6	664	9	5	2	764
0.6	0.6	565	1	4470	3549	2826	1976	15	124	98	195	15	4	122	97	10	5	663	52	121	96	
8	9						63	1	08		195	15	4	122	97	5	5	663	8	4	1	763

<b>0.6</b>	<b>0.7</b>	564	7	4464	3541	2818	1974	15	123	98	5	195	15	4	122	97	105	83	661	52	121	95	761	60	-	206	163	129	103
0.7	0.7	564	3	4457	3533	2810	1973	15	123	98	2	194	15	4	122	97	105	83	660	52	121	95	759	60	-	206	163	129	102
<b>0.7</b>	<b>0.7</b>	563	9	4451	3526	2802	1971	15	123	98	0	194	15	3	121	97	105	83	658	52	121	95	758	60	-	206	162	129	102
0.7	0.7	563	5	4445	3519	2795	1970	15	123	97	7	194	15	3	121	96	105	83	657	52	121	95	756	60	-	206	162	128	102
<b>0.7</b>	<b>0.7</b>	563	1	4439	3511	2787	1969	15	122	97	4	194	15	3	121	96	105	82	656	52	121	95	755	59	-	206	162	128	101
0.7	0.7	562	7	4433	3504	2779	1967	15	122	97	2	194	15	3	121	96	105	82	654	51	120	95	753	59	-	205	162	128	101
0.7	<b>0.7</b>	562	4	4427	3497	2772	1966	15	122	96	9	194	15	2	120	95	105	82	653	51	120	95	752	59	-	205	161	127	101
<b>0.7</b>	<b>0.7</b>	562	0	4421	3490	2765	1965	15	122	96	7	194	15	2	120	95	104	82	652	51	120	95	750	59	-	205	161	127	101
0.7	<b>0.7</b>	561	6	4415	3484	2758	1963	15	121	96	4	193	15	2	120	95	104	82	650	51	120	94	749	59	-	205	161	127	100
<b>0.7</b>	<b>0.7</b>	561	3	4410	3477	2751	1962	15	121	96	2	193	15	2	120	95	104	82	649	51	120	94	747	59	-	205	161	127	100
0.7	<b>0.8</b>	560	9	4404	3470	2744	1961	15	121	95	9	193	15	2	120	95	104	82	648	51	120	94	746	59	-	205	161	126	100
<b>0.8</b>	0.8	560	6	4399	3464	2737	1960	15	121	95	7	193	15	2	119	94	104	82	647	51	120	94	744	58	-	205	160	126	100
0.8	<b>0.8</b>	560	2	4393	3457	2730	1959	15	120	95	4	193	15	1	119	94	104	82	646	51	120	94	743	58	-	204	160	126	-
<b>0.8</b>	0.8	559	9	4388	3451	2723	1957	15	120	95	2	193	15	1	119	94	104	81	644	50	120	94	742	58	-	204	160	126	-
0.8	<b>0.8</b>	559	5	4383	3445	2717	1956	15	120	95	0	193	15	1	119	94	104	81	643	50	120	94	740	58	-	204	160	126	-
<b>0.8</b>	0.8	559	2	4377	3439	2710	1955	15	120	94	8	193	15	1	118	93	104	81	642	50	120	94	739	58	-	204	160	125	-
0.8	<b>0.8</b>	558	9	4372	3433	2704	1954	15	120	94	5	192	15	1	118	93	104	81	641	50	120	94	738	58	-	204	159	125	989

<b>0.8</b>	<b>0.8</b>	558	5	4367	3427	2698	1953	15	119	94	3	192	15	0	118	93	104	81	50	
<b>6</b>	<b>7</b>							27	8	3							3	640	4	
0.8	<b>0.8</b>	558	2	4362	3421	2692	1952	15	119	94	1	192	15	0	118	93	104	81	50	120
	<b>8</b>							25	6	1							2	639	4	
<b>0.8</b>	<b>0.8</b>	557	9	4357	3415	2685	1950	15	119	93	9	192	15	0	118	92	104	81	50	119
	<b>9</b>							23	4	9							2	638	1	
0.8	<b>0.9</b>	557	6	4352	3409	2679	1949	15	119	93	7	192	15	0	117	92	104	81	50	119
	<b>0</b>							22	2	7							1	637	0	
<b>0.9</b>	<b>0.9</b>	557	3	4347	3404	2673	1948	15	119	93	5	192	15	0	117	92	104	81	49	119
	<b>1</b>							20	0	5							2	636	9	
0.9	<b>0.9</b>	557	0	4343	3398	2668	1947	15	118	93	3	192	15	0	117	92	104	81	49	119
	<b>2</b>							18	8	3							1	634	8	
<b>0.9</b>	<b>0.9</b>	556	7	4338	3392	2662	1946	15	118	93	1	192	14	9	117	92	103	81	49	119
	<b>3</b>							17	6	1							2	633	9	
0.9	<b>0.9</b>	556	4	4333	3387	2656	1945	15	118	92	9	192	14	9	117	91	103	80	49	119
	<b>4</b>							15	4	9							1	632	6	
<b>0.9</b>	<b>0.9</b>	556	1	4329	3382	2650	1944	15	118	92	7	192	14	9	116	91	103	80	49	119
	<b>5</b>							13	2	7							8	631	5	
0.9	<b>0.9</b>	555	8	4324	3376	2645	1943	15	118	92	5	191	14	9	116	91	103	80	49	119
	<b>6</b>							12	0	5							7	630	4	
<b>0.9</b>	<b>0.9</b>	555	5	4320	3371	2639	1942	15	117	92	3	191	14	9	116	91	103	80	49	119
	<b>7</b>							10	8	3							7	629	3	
0.9	<b>0.9</b>	555	2	4315	3366	2634	1941	15	117	92	1	191	14	9	116	91	103	80	49	119
	<b>8</b>							09	7	1							7	628	2	
<b>0.9</b>	<b>0.9</b>	554	9	4311	3361	2629	1940	15	117	91	9	191	14	8	116	91	103	80	49	119
	<b>9</b>							07	5	9							6	628	1	
0.9	<b>1.0</b>	554	7	4306	3356	2623	1939	15	117	91	7	191	14	8	116	90	103	80	49	119
	<b>0</b>							06	3	7							6	627	0	
1.0	<b>1.0</b>	554	4	4302	3350	2618	1938	15	117	91	5	191	14	8	115	90	103	80	48	119
	<b>1</b>							04	1	5							5	626	9	
1.0	<b>1.0</b>	554	1	4298	3346	2613	1937	15	117	91	3	191	14	8	115	90	103	80	48	119
	<b>2</b>							03	0	3							5	625	8	
1.0	<b>1.0</b>	553	4294	3341	2608	1936	15	116	91	191	14	115	90	103	80	624	48	119	92	718
	<b>1</b>																56	56	56	

2	3	8				01	8	2	8		4	2	7	0	3	0	202	157	122	954	
<b>1.0</b>	<b>1.0</b>	553	6	4289	3336	2603	1935	15 00	116 6	91 0	191	14 8	115 90	103 4	80 1	623	48 6	119 0	92 2	717	55 9
<b>3</b>	<b>4</b>																202 5	156 9	122 0	952	
1.0	1.0	553	3	4285	3331	2598	1934	14 98	116 5	90 8	191	14 8	115 89	103 3	80 0	622	48 5	118 9	92 1	716	55 8
<b>4</b>	<b>5</b>																202 4	156 7	121 8	950	
<b>1.0</b>	<b>1.0</b>	553	0	4281	3326	2593	1933	14 97	116 3	90 6	190	14 7	115 89	103 3	79 9	621	48 4	118 8	92 0	715	55 7
<b>5</b>	<b>6</b>																202 3	156 6	121 7	948	
1.0	1.0	552	8	4277	3321	2588	1933	14 95	116 1	90 5	190	14 7	114 89	103 2	79 9	620	48 3	118 8	91 9	714	55 6
<b>6</b>	<b>7</b>																202 2	156 5	121 5	947	
<b>1.0</b>	<b>1.0</b>	552	5	4273	3317	2583	1932	14 94	116 0	90 3	190	14 7	114 89	103 2	79 8	619	48 2	118 7	91 8	713	55 5
<b>7</b>	<b>8</b>																202 1	156 3	121 3	945	
1.0	1.0	552	3	4269	3312	2578	1931	14 93	115 8	90 1	190	14 7	114 89	103 1	79 7	618	48 1	118 7	91 7	712	55 4
<b>8</b>	<b>9</b>																202 0	156 2	121 2	943	
<b>1.0</b>	<b>1.1</b>	552	0	4265	3308	2574	1930	14 91	115 6	90 0	190	14 7	114 89	103 1	79 6	618	48 1	118 6	91 7	711	55 3
<b>9</b>	<b>0</b>																201 9	156 0	121 0	941	
1.1	1.1	551	8	4262	3303	2569	1929	14 90	115 5	89 8	190	14 7	114 88	103 0	79 6	617	48 0	118 6	91 6	710	55 2
<b>0</b>	<b>1</b>																201 8	155 9	120 8	940	
<b>1.1</b>	<b>1.1</b>	551	5	4258	3299	2564	1928	14 88	115 3	89 6	190	14 7	114 88	103 0	79 5	616	47 1	118 5	91 5	709	55 1
<b>1</b>	<b>2</b>																201 7	155 7	120 7	938	
1.1	1.1	551	3	4254	3294	2560	1927	14 87	115 2	89 5	190	14 7	113 88	102 9	79 4	615	47 8	118 5	91 4	708	55 0
<b>2</b>	<b>3</b>																201 6	155 6	120 5	936	
<b>1.1</b>	<b>1.1</b>	551	0	4250	3290	2555	1926	14 86	115 0	89 3	190	14 6	113 88	102 9	79 4	614	47 7	118 4	91 3	707	54 9
<b>3</b>	<b>4</b>																201 5	155 5	120 3	935	
1.1	1.1	550	8	4246	3286	2551	1926	14 85	114 9	89 2	190	14 6	113 88	102 8	79 3	614	47 6	118 4	91 3	706	54 8
<b>4</b>	<b>5</b>																201 5	155 3	120 2	933	
<b>1.1</b>	<b>1.1</b>	550	5	4243	3281	2546	1925	14 83	114 7	89 0	190	14 6	113 88	102 8	79 2	613	47 5	118 3	91 2	705	54 7
<b>5</b>	<b>6</b>																201 4	155 2	120 0	931	
1.1	1.1	550	3	4239	3277	2542	1924	14 82	114 6	88 9	190	14 6	113 88	102 8	79 2	612	47 5	118 3	91 1	704	54 6
<b>6</b>	<b>7</b>																201 3	155 1	119 9	930	
<b>1.1</b>	<b>1.1</b>	550	1	4235	3273	2538	1923	14 81	114 4	88 7	189	14 6	113 87	102 7	79 1	611	47 4	118 2	91 0	703	54 5
<b>7</b>	<b>8</b>																201 2	154 9	119 7	928	
1.1	1.1	549	8	4232	3269	2533	1922	14 79	114 3	88 6	189	14 6	113 87	102 7	79 0	610	47 3	118 2	90 9	702	54 4
<b>8</b>	<b>9</b>																201 1	154 8	119 6	927	

<b>1.1</b>	<b>1.2</b>	549	6	4228	3265	2529	1921	14	114	88	189	14	6	112	87	102	79	610	47	118	90	702	54	-	201	154	119	-
1.2	1.2	549	4	4225	3261	2525	1921	14	114	88	189	14	6	112	87	102	78	609	47	118	90	701	54	-	200	154	119	-
1.2	1.2	549	1	4221	3257	2521	1920	14	113	88	189	14	5	112	87	102	78	608	47	118	90	700	54	-	200	154	119	-
1.2	1.2	548	9	4218	3253	2517	1919	14	113	88	189	14	5	112	87	102	78	607	47	118	90	699	54	-	200	154	119	-
1.2	1.2	548	7	4214	3249	2512	1918	14	113	87	189	14	5	112	87	102	78	607	46	117	90	698	54	-	200	154	118	-
1.2	1.2	548	5	4211	3245	2508	1917	14	113	87	189	14	5	112	86	102	78	606	46	117	90	697	53	-	200	154	118	-
1.2	1.2	548	3	4208	3241	2504	1917	14	113	87	189	14	5	112	86	102	78	605	46	117	90	696	53	-	200	153	118	-
1.2	1.2	548	0	4204	3237	2500	1916	14	113	87	189	14	5	111	86	102	78	604	46	117	90	696	53	-	200	153	118	-
1.2	1.2	547	8	4201	3233	2497	1915	14	113	87	189	14	5	111	86	102	78	604	46	117	90	695	53	-	200	153	118	-
1.2	1.2	547	6	4198	3229	2493	1914	14	112	87	189	14	5	111	86	102	78	603	46	117	90	694	53	-	200	153	118	-
1.2	1.3	547	4	4194	3226	2489	1914	14	112	87	189	14	4	111	86	102	78	602	46	117	90	693	53	-	200	153	118	-
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1.3	1.3	547	0	4188	3218	2481	1912	14	112	86	188	14	4	111	85	102	78	601	46	117	90	692	53	-	200	153	117	-
1.3	1.3	546	8	4185	3214	2477	1912	14	112	86	188	14	4	111	85	102	78	600	46	117	89	691	53	-	200	153	117	-
1.3	1.3	546	6	4182	3211	2474	1911	14	112	86	188	14	4	111	85	102	78	600	46	117	89	690	53	-	199	153	117	-
1.3	1.3	546	4	4179	3207	2470	1910	14	112	86	188	14	4	110	85	102	78	599	46	117	89	689	53	-	199	152	117	-
1.3	1.3	546	2	4176	3204	2466	1909	14	112	86	188	14	4	110	85	102	78	598	46	117	89	688	53	-	199	152	117	-

1.3 6	1.3 7	546 0	4172	3200	2463	1909	14 59	111 9	86 1	188	14 4	110	85	101 9	77 9	598	46 0	117 3	89 7	688	52 9	199 7	152 6	117 1	- 901
1.3 7	1.3 8	545 8	4169	3197	2459	1908	14 58	111 8	86 0	188	14 4	110	85	101 9	77 9	597	45 9	117 3	89 6	687	52 8	199 6	152 5	116 9	- 899
1.3 8	1.3 9	545 6	4166	3193	2456	1907	14 57	111 6	85 8	188	14 4	110	85	101 9	77 8	596	45 9	117 2	89 5	686	52 8	199 6	152 4	116 8	- 898
1.3 9	1.4 0	545 4	4163	3190	2452	1907	14 56	111 5	85 7	188	14 3	110	84	101 8	77 7	596	45 8	117 2	89 5	685	52 7	199 5	152 3	116 7	- 897
1.4 0	1.4 1	545 2	4160	3186	2449	1906	14 54	111 4	85 6	188	14 3	110	84	101 8	77 7	595	45 7	117 2	89 4	685	52 6	199 4	152 2	116 6	- 896
1.4 1	1.4 2	545 0	4157	3183	2445	1905	14 53	111 3	85 5	188	14 3	110	84	101 8	77 6	594	45 7	117 1	89 3	684	52 5	199 3	152 1	116 4	- 894
1.4 2	1.4 3	544 8	4155	3180	2442	1905	14 52	111 2	85 4	188	14 3	110	84	101 7	77 6	594	45 6	117 1	89 3	683	52 5	199 3	152 0	116 3	- 893
1.4 3	1.4 4	544 6	4152	3176	2438	1904	14 51	111 0	85 2	188	14 3	109	84	101 7	77 5	593	45 5	117 0	89 2	683	52 4	199 2	151 9	116 2	- 892
1.4 4	1.4 5	544 4	4149	3173	2435	1903	14 50	110 9	85 1	188	14 3	109	84	101 7	77 5	592	45 5	117 0	89 2	682	52 3	199 1	151 8	116 1	- 891
1.4 5	1.4 6	544 2	4146	3170	2431	1903	14 49	110 8	85 0	187	14 3	109	84	101 6	77 4	592	45 4	116 9	89 1	681	52 3	199 1	151 6	115 9	- 889
1.4 6	1.4 7	544 0	4143	3166	2428	1902	14 48	110 7	84 9	187	14 3	109	84	101 6	77 4	591	45 3	116 9	89 0	680	52 2	199 0	151 5	115 8	- 888
1.4 7	1.4 8	543 8	4140	3163	2425	1901	14 47	110 6	84 8	187	14 3	109	84	101 5	77 3	591	45 3	116 9	89 0	680	52 1	198 9	151 4	115 7	- 887
1.4 8	1.4 9	543 7	4137	3160	2422	1901	14 46	110 5	84 7	187	14 3	109	83	101 5	77 3	590	45 2	116 8	88 9	679	52 0	198 9	151 3	115 6	- 886
1.4 9	1.5 0	543 5	4135	3157	2418	1900	14 45	110 4	84 5	187	14 2	109	83	101 5	77 2	589	45 2	116 8	88 9	678	52 0	198 8	151 2	115 5	- 885

I93N (South of Boston) --  
Congestion

		ND (1)	ND (2)	ND (3)	ND (4)	ND (5)
OP	NP	0.05 -0.1 -0.15 -0.2	-0.05 -0.1 0.15 -0.2	-0.05 -0.1 -0.15 -0.2	0.05 -0.1 0.15 -0.2	-0.05 -0.1 -0.15 -0.2

0.0	0.0	958	958	9	9	9589	9589	1969	1969	196	196	-	-	-	-	285	285	285	285	-	-	3103	3103	3103	3103
0	1	9	9	9	9	913	871	1875	1790	2	1	1120	1120	1120	1120	3	3	3	3	3103	3103	3103	3103		
<b>0.0</b>	<b>0.0</b>	<b>913</b>	<b>871</b>	<b>2</b>	<b>7</b>	<b>8338</b>	<b>7991</b>	<b>1875</b>	<b>1790</b>	<b>171</b>	<b>164</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>271</b>	<b>259</b>	<b>248</b>	<b>237</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>1</b>	<b>2</b>	<b>2</b>	<b>7</b>	<b>8338</b>	<b>7991</b>	<b>1875</b>	<b>1790</b>	<b>159</b>	<b>149</b>	<b>-</b>	<b>-</b>	<b>1067</b>	<b>1018</b>	<b>-974</b>	<b>-933</b>	<b>7</b>	<b>4</b>	<b>1</b>	<b>8</b>	<b>2955</b>	<b>2821</b>	<b>2698</b>	<b>2586</b>	<b>-</b>	<b>-</b>
0.0	0.0	891	830	2	2	7757	7264	1830	1705	3	2	1041	-970	-906	-848	1	0	8	1	2883	2687	2510	2351	-	-
2	3	0	2	7757	7264	1830	1705	151	139	-	-	1041	-970	-906	-848	260	239	219	202	-	-	-	-	-	-
<b>0.0</b>	<b>0.0</b>	<b>876</b>	<b>803</b>	<b>4</b>	<b>4</b>	<b>7387</b>	<b>6810</b>	<b>1800</b>	<b>1650</b>	<b>7</b>	<b>8</b>	<b>1024</b>	<b>-938</b>	<b>-863</b>	<b>-795</b>	<b>7</b>	<b>0</b>	<b>8</b>	<b>6</b>	<b>2836</b>	<b>2600</b>	<b>2390</b>	<b>2204</b>	<b>-</b>	<b>-</b>
0.0	0.0	865	783	-	-	-	-	-	-	-	-	-	-	-	-	257	233	211	193	-	-	-	-	-	-
4	5	5	8	7120	6486	1777	1610	2	2	1011	-916	-832	-758	-	5	2	8	0	2801	2537	2304	2099	-	-	
<b>0.0</b>	<b>0.0</b>	<b>857</b>	<b>768</b>	<b>5</b>	<b>5</b>	<b>6913</b>	<b>6237</b>	<b>1760</b>	<b>1578</b>	<b>9</b>	<b>1</b>	<b>1001</b>	<b>-898</b>	<b>-807</b>	<b>-728</b>	<b>0</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>2773</b>	<b>2487</b>	<b>2237</b>	<b>2018</b>	<b>-</b>	<b>-</b>
0.0	0.0	849	755	-	-	-	-	-	-	-	-	-	-	-	-	252	224	200	179	-	-	-	-	-	-
6	7	9	9	6744	6035	1745	1552	5	9	-993	-883	-788	-705	-	9	9	7	6	2750	2446	2182	1953	-	-	
0.0	0.0	843	745	-	-	-	-	-	-	-	-	-	-	-	-	251	221	196	174	-	-	-	-	-	-
7	8	9	2	6603	5868	1733	1530	6	5	-986	-870	-771	-685	-	1	7	4	6	2731	2412	2137	1899	-	-	
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0.0	0.1	834	727	-	-	-	-	-	-	-	-	-	-	-	-	248	216	189	166	-	-	-	-	-	-
9	0	0	9	6375	5600	1712	1495	9	0	-974	-850	-745	-654	-	1	6	7	6	2699	2356	2063	1812	-	-	
<b>0.1</b>	<b>0.1</b>	<b>829</b>	<b>720</b>	<b>0</b>	<b>7</b>	<b>6281</b>	<b>5490</b>	<b>1704</b>	<b>1480</b>	<b>0</b>	<b>7</b>	<b>-969</b>	<b>-842</b>	<b>-734</b>	<b>-641</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>2685</b>	<b>2332</b>	<b>2032</b>	<b>1777</b>	<b>-</b>	<b>-</b>
0.1	0.1	826	714	-	-	-	-	-	-	-	-	-	-	-	-	245	212	184	160	-	-	-	-	-	-
1	2	1	2	6196	5392	1696	1467	2	7	-965	-834	-724	-630	-	8	5	4	4	2673	2311	2005	1745	-	-	
<b>0.1</b>	<b>0.1</b>	<b>822</b>	<b>708</b>	<b>2</b>	<b>3</b>	<b>6120</b>	<b>5304</b>	<b>1689</b>	<b>1454</b>	<b>7</b>	<b>9</b>	<b>-961</b>	<b>-827</b>	<b>-715</b>	<b>-620</b>	<b>8</b>	<b>7</b>	<b>1</b>	<b>8</b>	<b>2662</b>	<b>2292</b>	<b>1980</b>	<b>1716</b>	<b>-</b>	<b>-</b>
0.1	0.1	819	702	-	-	-	-	-	-	-	-	-	-	-	-	243	209	180	155	-	-	-	-	-	-
3	4	5	9	6050	5224	1683	1443	2	3	-957	-821	-707	-610	-	8	1	0	4	2652	2275	1958	1690	-	-	
0.1	0.1	816	697	-	-	-	-	-	-	-	-	-	-	-	-	243	207	178	153	-	-	-	-	-	-
4	5	6	9	5986	5150	1677	1433	9	8	-954	-815	-699	-602	-	0	7	1	2	2642	2259	1937	1667	-	-	
<b>0.1</b>	<b>0.1</b>	<b>813</b>	<b>693</b>	<b>5</b>	<b>6</b>	<b>5927</b>	<b>5082</b>	<b>1671</b>	<b>1424</b>	<b>7</b>	<b>4</b>	<b>-951</b>	<b>-810</b>	<b>-692</b>	<b>-594</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>2634</b>	<b>2244</b>	<b>1918</b>	<b>1645</b>	<b>-</b>	<b>-</b>
0.1	0.1	811	689	-	-	-	-	-	-	-	-	-	-	-	-	241	205	174	149	-	-	-	-	-	-
6	7	3	0	5871	5020	1666	1415	6	1	-948	-805	-686	-586	-	4	0	7	3	2625	2230	1900	1624	-	-	
<b>0.1</b>	<b>0.1</b>	<b>809</b>	<b>685</b>	<b>7</b>	<b>8</b>	<b>5820</b>	<b>4961</b>	<b>1661</b>	<b>1407</b>	<b>5</b>	<b>9</b>	<b>-945</b>	<b>-800</b>	<b>-680</b>	<b>-579</b>	<b>7</b>	<b>8</b>	<b>2</b>	<b>6</b>	<b>2618</b>	<b>2217</b>	<b>1883</b>	<b>1605</b>	<b>-</b>	<b>-</b>
0.1	0.1	806	681	-	-	-	-	-	-	-	-	-	-	-	-	240	202	171	146	-	-	-	-	-	-
8	9	7	2	5772	4907	1657	1399	5	8	-942	-796	-674	-573	-	0	7	7	0	2611	2204	1868	1588	-	-	
<b>0.1</b>	<b>0.2</b>	<b>804</b>	<b>677</b>	<b>9</b>	<b>0</b>	<b>5727</b>	<b>4856</b>	<b>1652</b>	<b>1391</b>	<b>6</b>	<b>997</b>	<b>-940</b>	<b>-791</b>	<b>-669</b>	<b>-567</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>2604</b>	<b>2193</b>	<b>1853</b>	<b>1571</b>	<b>-</b>	<b>-</b>
0.2	0.2	802	674	-	-	-	-	-	-	-	-	-	-	-	-	238	200	169	143	-	-	-	-	-	-
0	1	6	3	5684	4807	1648	1385	7	987	-937	-788	-664	-562	-	8	6	1	0	2597	2182	1839	1556	-	-	
0.2	0.2	800	671	-	-	-	-	-	-	-	-	-	-	-	-	238	199	167	141	-	-	-	-	-	-
1	2	7	1	5644	4762	1644	1378	9	978	-935	-784	-659	-556	-	2	7	9	7	2591	2172	1826	1541	-	-	
<b>0.2</b>	<b>0.2</b>	<b>798</b>	<b>668</b>	<b>2</b>	<b>3</b>	<b>5606</b>	<b>4719</b>	<b>1640</b>	<b>1372</b>	<b>1</b>	<b>969</b>	<b>-933</b>	<b>-780</b>	<b>-655</b>	<b>-551</b>	<b>7</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>2585</b>	<b>2162</b>	<b>1814</b>	<b>1527</b>	<b>-</b>	<b>-</b>
0.2	0.2	797	665	-	-	-	-	-	-	-	-	-	-	-	-	237	197	165	139	-	-	-	-	-	-
3	4	1	1	5569	4679	1637	1366	4	961	-931	-777	-650	-546	-	2	9	7	2	2580	2152	1802	1514	-	-	
<b>0.2</b>	<b>0.2</b>	<b>795</b>	<b>662</b>	<b>4</b>	<b>5</b>	<b>5535</b>	<b>4640</b>	<b>1633</b>	<b>1360</b>	<b>6</b>	<b>953</b>	<b>-929</b>	<b>-774</b>	<b>-646</b>	<b>-542</b>	<b>7</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>2574</b>	<b>2143</b>	<b>1791</b>	<b>1501</b>	<b>-</b>	<b>-</b>

0.2	0.2	793	659			113			236	196	163	137	-	-	-	-	
5	6	9	7	5502	4603	1630	1355	0	945	-927	-771	-643	-538	2	3	7	0
<b>0.2</b>	<b>0.2</b>	792	657			112			235	195	162	135	-	-	-	-	
<b>6</b>	<b>7</b>	4	2	5470	4568	1627	1350	3	938	-925	-768	-639	-534	8	5	8	9
0.2	0.2	790	654			111			235	194	161	134	-	-	-	-	
7	8	9	8	5440	4534	1624	1345	7	931	-924	-765	-635	-530	3	8	9	9
0.2	0.2	789	652			111			234	194	161	134	-	-	-	-	
8	9	5	5	5411	4502	1621	1340	1	924	-922	-762	-632	-526	9	1	0	0
<b>0.2</b>	<b>0.3</b>	788	650			110			234	193	160	133	-	-	-	-	
<b>9</b>	<b>0</b>	1	2	5383	4471	1618	1335	5	918	-921	-759	-629	-522	5	5	2	0
0.3	0.3	786	648			110			234	192	159	132	-	-	-	-	
0	1	8	1	5356	4442	1616	1331	0	912	-919	-757	-626	-519	1	8	4	2
<b>0.3</b>	<b>0.3</b>	785	646			109			233	192	158	131	-	-	-	-	
<b>1</b>	<b>2</b>	6	0	5331	4413	1613	1326	5	906	-918	-754	-623	-515	7	2	6	3
0.3	0.3	784	644			108			233	191	157	130	-	-	-	-	
2	3	3	0	5306	4386	1611	1322	9	901	-916	-752	-620	-512	4	6	9	5
<b>0.3</b>	<b>0.3</b>	783	642			108			233	191	157	129	-	-	-	-	
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0.3	0.3	782	640			108			232	190	156	128	-	-	-	-	
4	5	0	1	5258	4334	1606	1314	0	890	-913	-748	-614	-506	7	5	5	9
0.3	0.3	780	638			107			232	189	155	128	-	-	-	-	
5	6	9	3	5236	4309	1603	1311	5	885	-912	-746	-612	-503	3	9	8	2
<b>0.3</b>	<b>0.3</b>	779	636			107			232	189	155	127	-	-	-	-	
<b>6</b>	<b>7</b>	8	5	5214	4285	1601	1307	1	880	-911	-743	-609	-501	0	4	1	5
0.3	0.3	778	634			106			231	188	154	126	-	-	-	-	
7	8	7	8	5193	4262	1599	1304	6	875	-910	-741	-607	-498	7	9	5	8
<b>0.3</b>	<b>0.3</b>	777	633			106			231	188	153	126	-	-	-	-	
<b>8</b>	<b>9</b>	7	2	5173	4240	1597	1300	2	871	-908	-740	-604	-495	4	4	9	2
0.3	0.4	776	631			105			231	187	153	125	-	-	-	-	
9	0	7	5	5153	4218	1595	1297	8	866	-907	-738	-602	-493	1	9	3	5
<b>0.4</b>	<b>0.4</b>	775	630			105			230	187	152	124	-	-	-	-	
<b>0</b>	<b>1</b>	8	0	5134	4197	1593	1294	4	862	-906	-736	-600	-490	8	4	7	9
0.4	0.4	774	628			105			230	187	152	124	-	-	-	-	
1	2	8	4	5115	4177	1591	1290	0	858	-905	-734	-597	-488	5	0	2	3
0.4	0.4	773	626			104			230	186	151	123	-	-	-	-	
2	3	9	9	5097	4157	1589	1287	7	854	-904	-732	-595	-486	3	5	6	7
<b>0.4</b>	<b>0.4</b>	773	625			104			230	186	151	123	-	-	-	-	
<b>3</b>	<b>4</b>	0	5	5079	4138	1587	1284	3	850	-903	-731	-593	-483	0	1	1	1
0.4	0.4	772	624			103			229	185	150	122	-	-	-	-	
4	5	1	1	5062	4119	1585	1281	9	846	-902	-729	-591	-481	7	7	6	6
<b>0.4</b>	<b>0.4</b>	771	622			103			229	185	150	122	-	-	-	-	
<b>5</b>	<b>6</b>	3	7	5045	4101	1584	1279	6	842	-901	-727	-589	-479	5	3	1	0
0.4	0.4	770	621			103			229	184	149	121	-	-	-	-	
6	7	4	3	5029	4083	1582	1276	3	838	-900	-726	-587	-477	2	9	6	5
<b>0.4</b>	<b>0.4</b>	769	620			102			229	184	149	121	-	-	-	-	
<b>7</b>	<b>8</b>	6	0	5013	4066	1580	1273	9	835	-899	-724	-585	-475	0	5	1	0
0.4	0.4	768	618			102			228	184	148	120	-	-	-	-	
8	9	8	7	4997	4049	1579	1270	6	831	-898	-723	-584	-473	7	1	7	5
0.4	0.5	768	617			102			228	183	148	120	-	-	-	-	
9	0	0	5	4982	4033	1577	1268	3	828	-897	-721	-582	-471	5	7	2	0
									2485	1998	1612	1305					

<b>0.5</b>	<b>0.5</b>	767	616	2	4967	4017	1575	1265	102	825	-896	-720	-580	-469	228	183	147	119	-	-	-	-
0	<b>1</b>	2	2	4952	4001	1574	1263	101	822	-895	-718	-578	-467	228	183	147	119	2483	1994	1607	1300	
0.5	0.5	766	615	0	4952	4001	1574	1263	7	822	-894	-717	-577	-466	227	182	146	118	-	-	-	-
<b>0.5</b>	<b>0.5</b>	765	613					101						227	182	146	118	2480	1990	1603	1295	
<b>2</b>	<b>3</b>	8	8	4938	3986	1572	1260	4	818	-894	-716	-575	-464	227	182	146	118	-	-	-	-	
0.5	0.5	765	612					101						227	182	146	118	2478	1986	1598	1290	
3	4	0	7	4924	3971	1571	1258	1	815	-894	-714	-574	-464	227	182	146	118	-	-	-	-	
<b>0.5</b>	<b>0.5</b>	764	611					100						227	182	146	117	-	-	-	-	
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0.5	0.5	763	610					100						227	181	145	117	-	-	-	-	
5	6	6	4	4897	3942	1568	1253	6	809	-892	-713	-572	-460	227	181	145	116	2471	1975	1585	1276	
0.5	0.5	763	609					100						227	181	145	116	-	-	-	-	
6	7	0	4	4884	3928	1567	1251	3	806	-891	-712	-570	-459	226	181	144	116	2469	1972	1580	1271	
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7	<b>8</b>	3	3	4871	3914	1565	1249	0	804	-890	-710	-569	-457	226	180	144	116	2467	1968	1576	1267	
0.5	0.5	761	607											226	180	144	116	-	-	-	-	
8	9	6	2	4859	3900	1564	1247	998	801	-890	-709	-567	-456	226	180	144	115	2465	1965	1572	1262	
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0.6	0.6	757	600											225	178	142	113	-	-	-	-	
5	6	3	4	4777	3813	1555	1233	981	783	-885	-701	-558	-445	225	178	141	113	2451	1943	1546	1234	
<b>0.6</b>	<b>0.6</b>	756	599											225	178	141	113	-	-	-	-	
<b>6</b>	7	8	5	4766	3802	1554	1231	979	781	-884	-700	-557	-444	225	178	141	112	2449	1940	1542	1230	
0.6	0.6	756	598											225	178	141	112	-	-	-	-	
7	8	2	6	4756	3791	1553	1229	977	778	-883	-699	-555	-443	224	177	141	112	2447	1937	1539	1227	
<b>0.6</b>	<b>0.6</b>	755	597											224	177	141	112	-	-	-	-	
<b>8</b>	<b>9</b>	6	7	4745	3779	1552	1227	974	776	-883	-698	-554	-441	224	177	140	112	2445	1934	1536	1223	
0.6	0.7	755	596											224	177	140	112	-	-	-	-	
9	0	1	9	4735	3769	1551	1226	972	774	-882	-697	-553	-440	224	177	140	111	2444	1931	1532	1219	
0.7	0.7	754	596											224	177	140	111	-	-	-	-	
0	1	6	0	4725	3758	1549	1224	970	772	-881	-696	-552	-439	224	177	140	110	2442	1929	1529	1216	
<b>0.7</b>	<b>0.7</b>	754	595											224	177	140	110	-	-	-	-	
<b>1</b>	<b>2</b>	0	2	4715	3747	1548	1222	968	769	-881	-695	-551	-438	224	176	140	110	2440	1926	1526	1213	
0.7	0.7	753	594											224	176	140	110	-	-	-	-	
2	3	5	4	4705	3737	1547	1220	966	767	-880	-694	-550	-436	224	176	139	110	-	-	-	-	
<b>0.7</b>	<b>0.7</b>	753	593											224	176	139	110	-	-	-	-	
<b>3</b>	<b>4</b>	0	5	4695	3727	1546	1219	964	765	-879	-693	-548	-435	223	176	139	110	-	-	-	-	
0.7	0.7	752	592											223	176	139	110	-	-	-	-	
4	5	5	7	4686	3717	1545	1217	962	763	-879	-692	-547	-434	223	176	139	110	2435	1918	1516	1203	





1.2	1.2	733	562	1	6	4333	3349	1505	1155	890	688	-856	-657	-506	-391	218	167	128	996	2372	-	-	1402	1084
5	6	732	562	8	2	4328	3344	1505	1154	889	687	-856	-657	-506	-391	218	167	128	995	2371	1819	1401	1082	
1.2	1.2	732	561	7	8	4323	3338	1504	1154	888	685	-856	-656	-505	-390	218	167	128	993	2370	1818	1399	1080	
6	7	732	561	8	9	4318	3333	1504	1153	887	684	-855	-656	-504	-389	217	167	128	992	2370	1816	1397	1079	
1.2	1.3	732	560	9	0	4313	3328	1503	1152	886	683	-855	-655	-504	-389	217	166	128	990	2369	1815	1396	1077	
1.3	1.3	731	560	0	1	4308	3323	1502	1151	885	682	-855	-655	-503	-388	217	166	128	-	-	-	-	-	
1.3	1.3	731	560	1	2	4303	3318	1502	1150	884	681	-854	-654	-503	-388	217	166	128	989	2368	1814	1394	1075	
1.3	1.3	731	559	2	3	4298	3313	1501	1149	883	680	-854	-654	-502	-387	217	166	128	-	-	-	-	-	
1.3	1.3	730	559	3	4	4294	3308	1501	1148	882	679	-854	-653	-501	-386	217	166	127	984	2365	1809	1389	1070	
1.3	1.3	730	558	4	5	4289	3303	1500	1147	881	678	-853	-653	-501	-386	217	166	127	-	-	-	-	-	
1.3	1.3	730	558	5	6	4284	3298	1500	1147	880	677	-853	-652	-500	-385	217	166	127	983	2364	1808	1388	1069	
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1.3	1.3	729	557	7	8	4275	3288	1499	1145	878	675	-852	-651	-499	-384	217	165	127	-	-	-	-	-	
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1.3	1.3	729	557	9	0	4270	3284	1498	1144	877	674	-852	-651	-499	-384	217	165	127	-	-	-	-	-	
1.3	1.4	729	556	0	1	4265	3279	1497	1143	876	673	-852	-650	-498	-383	217	165	126	977	2361	1803	1382	1063	
1.3	1.4	729	556	1	2	4265	3279	1497	1143	876	673	-852	-650	-498	-383	217	165	126	976	2360	1802	1380	1061	
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1.4	1.4	728	555	3	4	4256	3270	1496	1142	874	671	-851	-649	-497	-382	216	165	126	974	2359	1800	1379	1060	
1.4	1.4	728	555	5	6	4256	3270	1496	1142	874	671	-851	-649	-497	-382	216	165	126	-	-	-	-	-	
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1.4	1.4	728	555	9	0	4247	3260	1495	1140	872	669	-851	-648	-496	-381	216	165	126	-	-	-	-	-	
1.4	1.4	728	554	4	5	4243	3256	1495	1139	871	669	-850	-648	-496	-380	216	165	126	970	2357	1796	1374	1055	
1.4	1.4	727	554	6	7	4238	3251	1494	1138	870	668	-850	-648	-495	-380	216	164	126	-	-	-	-	-	
1.4	1.4	727	554	8	9	4234	3247	1494	1138	869	667	-850	-647	-495	-379	216	164	125	966	2354	1793	1370	1051	
1.4	1.4	727	553	7	8	4230	3242	1493	1137	869	666	-849	-647	-494	-379	216	164	125	965	2353	1792	1369	1049	
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1.4	1.5	726	552	7	9	4221	3234	1492	1135	867	664	-849	-646	-493	-378	216	164	125	-	-	-	-	-	
9	0	7	9	4221	3234	1492	1135	867	664	-849	-646	-493	-378	2	5	6	962	2352	1789	1366	1046			

		193N (South of Boston) -- Congestion																			
OP	NP	ND (1)				ND (2)				ND (3)				ND (4)				ND (5)			
		-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2	-0.05	-0.1	-0.15	-0.2
0.00	0.01	13483	13483	13483	13483	634	634	634	634	589	589	589	589	1373	1373	1373	1373	-17	-17	-17	-17
<b>0.01</b>	<b>0.02</b>	12841	12257	11724	11236	604	576	551	528	561	535	512	491	1308	1248	1194	1144	-16	-15	-15	-14
0.02	0.03	12528	11674	10906	10214	589	549	513	480	547	510	476	446	1276	1189	1111	1040	-16	-15	-14	-13
<b>0.03</b>	<b>0.04</b>	12322	11297	10387	9576	579	531	488	450	538	494	454	418	1255	1150	1058	975	-16	-14	-13	-12
0.04	0.05	12170	11021	10012	9120	572	518	471	429	532	481	437	398	1239	1122	1019	929	-15	-14	-13	-11
<b>0.05</b>	<b>0.06</b>	12050	10805	9720	8769	567	508	457	412	526	472	425	383	1227	1100	990	893	-15	-14	-12	-11
0.06	0.07	11950	10628	9483	8486	562	500	446	399	522	464	414	371	1217	1082	966	864	-15	-13	-12	-11
<b>0.07</b>	<b>0.08</b>	11865	10479	9284	8251	558	493	437	388	518	458	406	360	1208	1067	945	840	-15	-13	-12	-10
0.08	0.09	11792	10349	9113	8049	554	487	429	378	515	452	398	352	1201	1054	928	820	-15	-13	-11	-10
<b>0.09</b>	<b>0.10</b>	11727	10235	8964	7874	551	481	421	370	512	447	392	344	1194	1042	913	802	-15	-13	-11	-10
0.10	0.11	11668	10134	8831	7720	549	477	415	363	510	443	386	337	1188	1032	899	786	-15	-13	-11	-10
<b>0.11</b>	<b>0.12</b>	11615	10043	8712	7582	546	472	410	357	507	439	381	331	1183	1023	887	772	-15	-13	-11	-10
0.12	0.13	11567	9960	8605	7458	544	468	405	351	505	435	376	326	1178	1014	876	759	-15	-13	-11	-9
<b>0.13</b>	<b>0.14</b>	11523	9884	8507	7345	542	465	400	345	503	432	372	321	1173	1006	866	748	-15	-12	-11	-9
0.14	0.15	11482	9814	8417	7241	540	461	396	341	502	429	368	316	1169	999	857	737	-14	-12	-11	-9
<b>0.15</b>	<b>0.16</b>	11444	9749	8333	7146	538	458	392	336	500	426	364	312	1165	993	849	728	-14	-12	-11	-9
0.16	0.17	11408	9688	8256	7058	536	456	388	332	498	423	361	308	1162	987	841	719	-14	-12	-10	-9
<b>0.17</b>	<b>0.18</b>	11375	9631	8184	6976	535	453	385	328	497	421	357	305	1158	981	833	710	-14	-12	-10	-9
0.18	0.19	11343	9578	8116	6899	533	450	382	324	496	418	355	301	1155	975	826	703	-14	-12	-10	-9
<b>0.19</b>	<b>0.20</b>	11313	9528	8052	6827	532	448	379	321	494	416	352	298	1152	970	820	695	-14	-12	-10	-9
0.20	0.21	11285	9481	7992	6760	531	446	376	318	493	414	349	295	1149	965	814	688	-14	-12	-10	-9
<b>0.21</b>	<b>0.22</b>	11258	9436	7936	6696	529	444	373	315	492	412	347	293	1146	961	808	682	-14	-12	-10	-8
0.22	0.23	11233	9393	7882	6636	528	442	371	312	491	410	344	290	1144	957	803	676	-14	-12	-10	-8
<b>0.23</b>	<b>0.24</b>	11208	9352	7831	6578	527	440	368	309	490	409	342	287	1141	952	797	670	-14	-12	-10	-8
0.24	0.25	11185	9314	7782	6524	526	438	366	307	489	407	340	285	1139	948	792	664	-14	-12	-10	-8
<b>0.25</b>	<b>0.26</b>	11163	9277	7736	6472	525	436	364	304	488	405	338	283	1137	945	788	659	-14	-12	-10	-8
0.26	0.27	11141	9241	7692	6423	524	435	362	302	487	404	336	281	1135	941	783	654	-14	-12	-10	-8
<b>0.27</b>	<b>0.28</b>	11121	9207	7649	6376	523	433	360	300	486	402	334	279	1132	938	779	649	-14	-12	-10	-8
0.28	0.29	11101	9174	7608	6330	522	431	358	298	485	401	332	277	1130	934	775	645	-14	-12	-10	-8
<b>0.29</b>	<b>0.30</b>	11082	9143	7569	6287	521	430	356	296	484	399	331	275	1128	931	771	640	-14	-12	-10	-8
0.30	0.31	11063	9112	7531	6245	520	428	354	294	483	398	329	273	1127	928	767	636	-14	-11	-9	-8
<b>0.31</b>	<b>0.32</b>	11046	9083	7495	6205	519	427	352	292	483	397	327	271	1125	925	763	632	-14	-11	-9	-8

0.32	0.33	11028	9055	7460	6167	519	426	351	290	482	396	326	269	1123	922	760	628	-14	-11	-9	-8
<b>0.33</b>	<b>0.34</b>	11012	9027	7426	6130	518	424	349	288	481	394	324	268	1121	919	756	624	-14	-11	-9	-8
0.34	0.35	10996	9001	7394	6094	517	423	348	287	480	393	323	266	1120	917	753	621	-14	-11	-9	-8
<b>0.35</b>	<b>0.36</b>	10980	8975	7362	6059	516	422	346	285	480	392	322	265	1118	914	750	617	-14	-11	-9	-8
0.36	0.37	10965	8950	7332	6026	516	421	345	283	479	391	320	263	1117	911	747	614	-14	-11	-9	-8
<b>0.37</b>	<b>0.38</b>	10950	8926	7302	5993	515	420	343	282	478	390	319	262	1115	909	744	610	-14	-11	-9	-8
0.38	0.39	10935	8903	7273	5962	514	419	342	280	478	389	318	260	1114	907	741	607	-14	-11	-9	-8
<b>0.39</b>	<b>0.40</b>	10921	8880	7246	5932	514	418	341	279	477	388	317	259	1112	904	738	604	-14	-11	-9	-7
0.40	0.41	10908	8858	7218	5902	513	417	339	278	477	387	315	258	1111	902	735	601	-14	-11	-9	-7
<b>0.41</b>	<b>0.42</b>	10895	8836	7192	5873	512	416	338	276	476	386	314	257	1109	900	732	598	-14	-11	-9	-7
0.42	0.43	10882	8815	7167	5846	512	415	337	275	475	385	313	255	1108	898	730	595	-14	-11	-9	-7
<b>0.43</b>	<b>0.44</b>	10869	8795	7142	5818	511	414	336	274	475	384	312	254	1107	896	727	593	-14	-11	-9	-7
0.44	0.45	10857	8775	7117	5792	511	413	335	272	474	383	311	253	1106	894	725	590	-14	-11	-9	-7
<b>0.45</b>	<b>0.46</b>	10845	8755	7094	5767	510	412	334	271	474	382	310	252	1104	892	722	587	-14	-11	-9	-7
0.46	0.47	10833	8736	7071	5742	509	411	332	270	473	382	309	251	1103	890	720	585	-14	-11	-9	-7
<b>0.47</b>	<b>0.48</b>	10821	8718	7048	5717	509	410	331	269	473	381	308	250	1102	888	718	582	-14	-11	-9	-7
0.48	0.49	10810	8700	7026	5694	508	409	330	268	472	380	307	249	1101	886	715	580	-14	-11	-9	-7
<b>0.49</b>	<b>0.50</b>	10799	8682	7005	5670	508	408	329	267	472	379	306	248	1100	884	713	577	-14	-11	-9	-7
0.50	0.51	10788	8665	6984	5648	507	407	328	266	471	379	305	247	1099	882	711	575	-14	-11	-9	-7
<b>0.51</b>	<b>0.52</b>	10778	8648	6963	5626	507	407	327	265	471	378	304	246	1098	881	709	573	-14	-11	-9	-7
0.52	0.53	10767	8631	6943	5604	506	406	326	264	470	377	303	245	1096	879	707	571	-14	-11	-9	-7
<b>0.53</b>	<b>0.54</b>	10757	8615	6924	5583	506	405	326	263	470	376	302	244	1095	877	705	569	-14	-11	-9	-7
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<b>0.55</b>	<b>0.56</b>	10737	8583	6886	5542	505	404	324	261	469	375	301	242	1093	874	701	564	-14	-11	-9	-7
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<b>0.57</b>	<b>0.58</b>	10718	8553	6849	5503	504	402	322	259	468	374	299	240	1091	871	697	560	-14	-11	-9	-7
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<b>0.59</b>	<b>0.60</b>	10700	8524	6814	5466	503	401	320	257	467	372	298	239	1090	868	694	557	-13	-11	-9	-7
0.60	0.61	10691	8510	6797	5448	503	400	320	256	467	372	297	238	1089	867	692	555	-13	-11	-9	-7
<b>0.61</b>	<b>0.62</b>	10682	8496	6781	5430	502	399	319	255	467	371	296	237	1088	865	690	553	-13	-11	-9	-7
0.62	0.63	10674	8482	6764	5412	502	399	318	255	466	371	295	236	1087	864	689	551	-13	-11	-9	-7
<b>0.63</b>	<b>0.64</b>	10665	8469	6748	5395	502	398	317	254	466	370	295	236	1086	862	687	549	-13	-11	-9	-7
0.64	0.65	10657	8455	6733	5379	501	398	317	253	466	369	294	235	1085	861	686	548	-13	-11	-8	-7
<b>0.65</b>	<b>0.66</b>	10649	8442	6717	5362	501	397	316	252	465	369	293	234	1084	860	684	546	-13	-11	-8	-7
0.66	0.67	10641	8430	6702	5346	500	396	315	251	465	368	293	234	1084	858	682	544	-13	-11	-8	-7
<b>0.67</b>	<b>0.68</b>	10633	8417	6687	5330	500	396	314	251	464	368	292	233	1083	857	681	543	-13	-11	-8	-7

0.68	0.69	10625	8405	6672	5314	500	395	314	250	464	367	291	232	1082	856	679	541	-13	-11	-8	-7
<b>0.69</b>	<b>0.70</b>	10617	8393	6658	5299	499	395	313	249	464	367	291	231	1081	855	678	540	-13	-11	-8	-7
0.70	0.71	10610	8381	6643	5284	499	394	312	248	463	366	290	231	1080	853	677	538	-13	-11	-8	-7
<b>0.71</b>	<b>0.72</b>	10602	8369	6629	5269	499	394	312	248	463	366	290	230	1080	852	675	537	-13	-11	-8	-7
0.72	0.73	10595	8357	6616	5254	498	393	311	247	463	365	289	230	1079	851	674	535	-13	-11	-8	-7
<b>0.73</b>	<b>0.74</b>	10588	8346	6602	5240	498	392	310	246	463	365	288	229	1078	850	672	534	-13	-11	-8	-7
0.74	0.75	10581	8335	6589	5226	498	392	310	246	462	364	288	228	1077	849	671	532	-13	-11	-8	-7
<b>0.75</b>	<b>0.76</b>	10574	8323	6576	5212	497	391	309	245	462	364	287	228	1077	848	670	531	-13	-10	-8	-7
0.76	0.77	10567	8313	6563	5198	497	391	309	244	462	363	287	227	1076	846	668	529	-13	-10	-8	-7
<b>0.77</b>	<b>0.78</b>	10560	8302	6550	5185	497	390	308	244	461	363	286	226	1075	845	667	528	-13	-10	-8	-7
0.78	0.79	10553	8291	6537	5172	496	390	307	243	461	362	286	226	1075	844	666	527	-13	-10	-8	-7
<b>0.79</b>	<b>0.80</b>	10546	8281	6525	5159	496	389	307	243	461	362	285	225	1074	843	664	525	-13	-10	-8	-7
0.80	0.81	10540	8270	6513	5146	496	389	306	242	460	361	285	225	1073	842	663	524	-13	-10	-8	-6
<b>0.81</b>	<b>0.82</b>	10533	8260	6501	5133	495	388	306	241	460	361	284	224	1073	841	662	523	-13	-10	-8	-6
0.82	0.83	10527	8250	6489	5121	495	388	305	241	460	360	283	224	1072	840	661	521	-13	-10	-8	-6
<b>0.83</b>	<b>0.84</b>	10520	8240	6477	5108	495	387	305	240	460	360	283	223	1071	839	660	520	-13	-10	-8	-6
0.84	0.85	10514	8230	6465	5096	494	387	304	240	459	360	282	223	1071	838	658	519	-13	-10	-8	-6
<b>0.85</b>	<b>0.86</b>	10508	8221	6454	5084	494	387	303	239	459	359	282	222	1070	837	657	518	-13	-10	-8	-6
0.86	0.87	10502	8211	6443	5072	494	386	303	239	459	359	281	222	1069	836	656	517	-13	-10	-8	-6
<b>0.87</b>	<b>0.88</b>	10496	8202	6432	5061	494	386	302	238	459	358	281	221	1069	835	655	515	-13	-10	-8	-6
0.88	0.89	10490	8192	6421	5049	493	385	302	237	458	358	280	221	1068	834	654	514	-13	-10	-8	-6
<b>0.89</b>	<b>0.90</b>	10484	8183	6410	5038	493	385	301	237	458	357	280	220	1068	833	653	513	-13	-10	-8	-6
0.90	0.91	10478	8174	6399	5027	493	384	301	236	458	357	280	220	1067	832	652	512	-13	-10	-8	-6
<b>0.91</b>	<b>0.92</b>	10472	8165	6389	5016	492	384	300	236	457	357	279	219	1066	831	651	511	-13	-10	-8	-6
0.92	0.93	10467	8156	6378	5005	492	384	300	235	457	356	279	219	1066	831	650	510	-13	-10	-8	-6
<b>0.93</b>	<b>0.94</b>	10461	8147	6368	4994	492	383	299	235	457	356	278	218	1065	830	648	509	-13	-10	-8	-6
0.94	0.95	10456	8139	6358	4983	492	383	299	234	457	356	278	218	1065	829	647	507	-13	-10	-8	-6
<b>0.95</b>	<b>0.96</b>	10450	8130	6348	4973	491	382	298	234	457	355	277	217	1064	828	646	506	-13	-10	-8	-6
0.96	0.97	10445	8122	6338	4963	491	382	298	233	456	355	277	217	1064	827	645	505	-13	-10	-8	-6
<b>0.97</b>	<b>0.98</b>	10439	8113	6328	4952	491	382	298	233	456	354	276	216	1063	826	644	504	-13	-10	-8	-6
0.98	0.99	10434	8105	6319	4942	491	381	297	232	456	354	276	216	1063	825	643	503	-13	-10	-8	-6
<b>0.99</b>	<b>1.00</b>	10429	8097	6309	4932	490	381	297	232	456	354	276	215	1062	825	642	502	-13	-10	-8	-6
1.00	1.01	10423	8089	6300	4923	490	380	296	231	455	353	275	215	1061	824	642	501	-13	-10	-8	-6
<b>1.01</b>	<b>1.02</b>	10418	8081	6290	4913	490	380	296	231	455	353	275	215	1061	823	641	500	-13	-10	-8	-6
1.02	1.03	10413	8073	6281	4903	490	380	295	231	455	353	274	214	1060	822	640	499	-13	-10	-8	-6
<b>1.03</b>	<b>1.04</b>	10408	8065	6272	4894	489	379	295	230	455	352	274	214	1060	821	639	498	-13	-10	-8	-6

1.04	1.05	10403	8057	6263	4884	489	379	294	230	454	352	274	213	1059	821	638	497	-13	-10	-8	-6
<b>1.05</b>	<b>1.06</b>	10398	8050	6254	4875	489	379	294	229	454	352	273	213	1059	820	637	496	-13	-10	-8	-6
1.06	1.07	10393	8042	6245	4866	489	378	294	229	454	351	273	213	1058	819	636	495	-13	-10	-8	-6
<b>1.07</b>	<b>1.08</b>	10388	8035	6236	4857	488	378	293	228	454	351	272	212	1058	818	635	495	-13	-10	-8	-6
1.08	1.09	10384	8027	6228	4848	488	377	293	228	454	351	272	212	1057	817	634	494	-13	-10	-8	-6
<b>1.09</b>	<b>1.10</b>	10379	8020	6219	4839	488	377	292	228	453	350	272	211	1057	817	633	493	-13	-10	-8	-6
1.10	1.11	10374	8013	6211	4830	488	377	292	227	453	350	271	211	1056	816	632	492	-13	-10	-8	-6
<b>1.11</b>	<b>1.12</b>	10369	8005	6202	4821	488	376	292	227	453	350	271	211	1056	815	632	491	-13	-10	-8	-6
1.12	1.13	10365	7998	6194	4813	487	376	291	226	453	349	271	210	1055	814	631	490	-13	-10	-8	-6
<b>1.13</b>	<b>1.14</b>	10360	7991	6186	4804	487	376	291	226	453	349	270	210	1055	814	630	489	-13	-10	-8	-6
1.14	1.15	10356	7984	6178	4796	487	375	290	226	452	349	270	210	1055	813	629	488	-13	-10	-8	-6
<b>1.15</b>	<b>1.16</b>	10351	7977	6170	4788	487	375	290	225	452	348	270	209	1054	812	628	488	-13	-10	-8	-6
1.16	1.17	10347	7970	6162	4779	487	375	290	225	452	348	269	209	1054	812	627	487	-13	-10	-8	-6
<b>1.17</b>	<b>1.18</b>	10342	7964	6154	4771	486	374	289	224	452	348	269	208	1053	811	627	486	-13	-10	-8	-6
1.18	1.19	10338	7957	6146	4763	486	374	289	224	452	348	268	208	1053	810	626	485	-13	-10	-8	-6
<b>1.19</b>	<b>1.20</b>	10334	7950	6138	4755	486	374	289	224	451	347	268	208	1052	810	625	484	-13	-10	-8	-6
1.20	1.21	10329	7943	6131	4747	486	374	288	223	451	347	268	207	1052	809	624	483	-13	-10	-8	-6
<b>1.21</b>	<b>1.22</b>	10325	7937	6123	4739	486	373	288	223	451	347	267	207	1051	808	624	483	-13	-10	-8	-6
1.22	1.23	10321	7930	6115	4732	485	373	288	222	451	346	267	207	1051	808	623	482	-13	-10	-8	-6
<b>1.23</b>	<b>1.24</b>	10317	7924	6108	4724	485	373	287	222	451	346	267	206	1051	807	622	481	-13	-10	-8	-6
1.24	1.25	10312	7918	6101	4716	485	372	287	222	450	346	267	206	1050	806	621	480	-13	-10	-8	-6
<b>1.25</b>	<b>1.26</b>	10308	7911	6093	4709	485	372	287	221	450	346	266	206	1050	806	620	480	-13	-10	-8	-6
1.26	1.27	10304	7905	6086	4701	485	372	286	221	450	345	266	205	1049	805	620	479	-13	-10	-8	-6
<b>1.27</b>	<b>1.28</b>	10300	7899	6079	4694	484	371	286	221	450	345	266	205	1049	804	619	478	-13	-10	-8	-6
1.28	1.29	10296	7893	6072	4687	484	371	286	220	450	345	265	205	1048	804	618	477	-13	-10	-8	-6
<b>1.29</b>	<b>1.30</b>	10292	7886	6065	4679	484	371	285	220	450	345	265	204	1048	803	618	477	-13	-10	-8	-6
1.30	1.31	10288	7880	6058	4672	484	371	285	220	449	344	265	204	1048	802	617	476	-13	-10	-8	-6
<b>1.31</b>	<b>1.32</b>	10284	7874	6051	4665	484	370	285	219	449	344	264	204	1047	802	616	475	-13	-10	-8	-6
1.32	1.33	10280	7868	6044	4658	483	370	284	219	449	344	264	203	1047	801	615	474	-13	-10	-8	-6
<b>1.33</b>	<b>1.34</b>	10277	7863	6037	4651	483	370	284	219	449	343	264	203	1046	801	615	474	-13	-10	-8	-6
1.34	1.35	10273	7857	6030	4644	483	369	284	218	449	343	263	203	1046	800	614	473	-13	-10	-8	-6
<b>1.35</b>	<b>1.36</b>	10269	7851	6024	4637	483	369	283	218	449	343	263	203	1046	799	613	472	-13	-10	-8	-6
1.36	1.37	10265	7845	6017	4630	483	369	283	218	448	343	263	202	1045	799	613	472	-13	-10	-8	-6
<b>1.37</b>	<b>1.38</b>	10261	7839	6010	4624	483	369	283	217	448	342	263	202	1045	798	612	471	-13	-10	-8	-6
1.38	1.39	10258	7834	6004	4617	482	368	282	217	448	342	262	202	1045	798	611	470	-13	-10	-8	-6
<b>1.39</b>	<b>1.40</b>	10254	7828	5997	4610	482	368	282	217	448	342	262	201	1044	797	611	469	-13	-10	-8	-6

1.40	1.41	10250	7822	5991	4604	482	368	282	216	448	342	262	201	1044	797	610	469	-13	-10	-8	-6
<b>1.41</b>	<b>1.42</b>	10247	7817	5985	4597	482	368	281	216	448	341	261	201	1043	796	609	468	-13	-10	-8	-6
1.42	1.43	10243	7811	5978	4591	482	367	281	216	447	341	261	201	1043	795	609	467	-13	-10	-8	-6
<b>1.43</b>	<b>1.44</b>	10239	7806	5972	4584	481	367	281	216	447	341	261	200	1043	795	608	467	-13	-10	-8	-6
1.44	1.45	10236	7801	5966	4578	481	367	281	215	447	341	261	200	1042	794	608	466	-13	-10	-8	-6
<b>1.45</b>	<b>1.46</b>	10232	7795	5960	4572	481	367	280	215	447	341	260	200	1042	794	607	466	-13	-10	-8	-6
1.46	1.47	10229	7790	5954	4565	481	366	280	215	447	340	260	199	1042	793	606	465	-13	-10	-8	-6
<b>1.47</b>	<b>1.48</b>	10225	7785	5948	4559	481	366	280	214	447	340	260	199	1041	793	606	464	-13	-10	-7	-6
1.48	1.49	10222	7779	5941	4553	481	366	279	214	447	340	260	199	1041	792	605	464	-13	-10	-7	-6
<b>1.49</b>	<b>1.50</b>	<b>10219</b>	<b>7774</b>	<b>5936</b>	<b>4547</b>	<b>480</b>	<b>366</b>	<b>279</b>	<b>214</b>	<b>446</b>	<b>340</b>	<b>259</b>	<b>199</b>	<b>1041</b>	<b>792</b>	<b>604</b>	<b>463</b>	<b>-13</b>	<b>-10</b>	<b>-7</b>	<b>-6</b>

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