

**SUNOL SMART CARPOOL LANE
JOINT POWERS AUTHORITY
GOVERNING BOARD
MINUTES OF JUNE 13, 2011**

Chair Supervisor Haggerty convened the Sunol Smart Carpool Lane JPA at 9:30 a.m.

1.0 PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Councilmember Harrison.

2.0 ROLL CALL

Ramos conducted the roll call; a quorum was confirmed.

3.0 PUBLIC COMMENT

There was no public comment.

4.0 CONSENT CALENDAR

4.1 Minutes of June 13, 2011 - A motion was made by Harrison to approve the Minutes of the June 13, 2011 meeting; a second was made by Hosterman. The motion was passed unanimously.

5.0 ADMINISTRATIVE MATTERS

5.1 2011/12 Express Lane Budget* - Reavey recommended the JPA Board approve the FY 2011/12 Express Lane operating budget. The operating budget remained unchanged from the draft budget presented at the May 9, 2011 JPA Board meeting. The FY 2011/12 budget reflects the first full year of operations of the facility and assumes toll revenues of \$850,000 for the year. A cash balance of \$595, 000 will be carried forward from FY 2010/11. Reavey detailed further key budget assumptions; with an ending fund balance of \$1.3 million for the year. Consistent with the funding plan adopted for the project, existing grant funds will be used for the majority of the costs associated with startup and management of the facility through June 2012. Councilmember Harrison raised the question of what happens when the grant funding is exhausted. Furger explained that the five year cash flow for the Express Lane will be reviewed under Agenda item A.4 A motion to move forward with the recommendation was made by Harrison; a second by Hosterman; the motion passed unanimously.

5.2 Status of Amendment of the Sunol Smart Carpool Lane Joint Powers Agreement – Staff provided an update on the amendment to the Joint Powers Agreement. The Alameda CTC will take up this action at the June meetings. This item was presented for information only.

5.3 Authorization to Execute Cooperative Agreement with Caltrans – It was recommended that the JPA authorize the Executive Director to execute an amendment to the existing Cooperative Agreement with Caltrans that stipulates the funding and development of the I-680 Project. A motion to move forward with the recommendation was made by Green; a second by Hosterman; the motion passed unanimously.

6.0 HOV/ EXPRESS LANE PROJECT STATUS UPDATE

6.1 Express Lane Electronic Toll System (ETS) Contract Update – Akkawi presented the status update for the I-680 Express Lane project – Electronic Toll System. The ACCMA / Alameda

CTC is the sponsor of the HOT element of the I-680 Express Lane. The status report covered all activities through May 31, 2011. Alameda CTC has been working with the System Integrator (SI) to finish site acceptance testing; it was completed in February 2011. Acceptance and Approval has been made by Alameda CTC and JPA Staff. This item was presented for information only.

- 6.2 HOV Widening Status Update** - Lowe gave a verbal update on the status of the I-680 Express Lane contracts. Contracts 1 and 3 have been completed; contract closeout activities are underway. Hydro-modification has been completed. There is additional pavement and minor metal beam guardrail work on Contract 2; expected completion October 30, 2011. Contract #3 has a large claim associated with it; the contractor is requesting Time Related Overhead (TRO) and Caltrans is conducting an audit. There is an additional Mitigation contract which was suspended for the winter but the work will resume in the next week or two. Landscape project is on hold until other projects in the corridor are completed. Ramp metering will be deployed in July 2011. This item was presented for information only.

A.0 JOINT MEETING WITH I-580 POLICY ADVISORY COMMITTEE 9:45 A.M.

- A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)** - Haggerty and Hosterman thanked Caltrans for the emergency pavement repair on westbound I-580.

- A.2 PAC Roll Call** – Confirmation of PAC Quorum (no action by JPA Board)

- A.3 I-680 Express Lane Status Update** - Furger presented the summary of operations of the I-680 Express Lane through the end of May; Total revenue continues to track consistent with the anticipated \$630,000 for the current fiscal year. Furger reviewed usage of the facility and speeds through the corridor. This item was presented for information only.

- A.4 Update on Enforcement Activities** – Supervisor Haggerty noted heavy CHP presence in the corridor. Furger reviewed the enforcement activities for the Express Lane and presented the results of a recent vehicle occupancy study that has been completed for the Corridor. The I-680 System Integrator has begun development of this system. BATA is providing technical oversight assistance for the project through their on-call consultant team. The system is anticipated to be operational this fall.

Furger went on to summarize the JPA’s future enforcement strategy which will consist of a multi-pronged approach; random “increased presence” days; video enforcement; strategic placement of officers as deterrent; and re – evaluation of installation of plastic pylons (strategically placed intermittent through ought the corridor). Furger is in the process of setting up a tour of Interstate 91 in Southern California and has initiated preliminary requests with the appropriate agencies to tour the facility.

Furger reviewed projected future revenue and expenditure growth through FY 14/15.

- A.5 Recess Joint Meeting**

7.0 ADJOURNMENT/ NEXT MEETING: JULY 11, 2011

Sunol Smart Carpool Lane Joint Powers Authority Governing Board
June 13, 2011
Page 3

Attested by:

A handwritten signature in cursive script that reads "Christina Ramos". The signature is written in black ink and is positioned above a horizontal line.

Christina Ramos, JPA Board Secretary



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**SUNOL SMART CARPOOL LANE
 JOINT POWERS AUTHORITY
 GOVERNING BOARD**

June 13, 2011

Alameda County Transportation Commission
 Conference Room A & B, Third Floor
 1333 Broadway, Suite 300, Oakland, CA

BOARD MEMBERS	JURISDICTION/AGENCY	SIGNATURE
Supervisor Scott Haggerty, CHAIR	County of Alameda	
Mayor Jennifer Hosterman, VICE CHAIR	City of Pleasanton	
Mayor Mark Green	City of Union City	
Mayor Marshall Kamena	City of Livermore	
Mayor Tim Sbranti	City of Dublin	
Vice Mayor Pete McHugh	VTA	
Councilmember Bill Harrison	City of Fremont	
STAFF	AGENCY	SIGNATURE
Arthur L. Dao	ACTC, Executive Director	
Frank Furger	JPA, Executive Director	
Ray Akkawi	ACTC, Mgr. of Project Delivery	
Christina Ramos	JPA, Secretary	
Gladys V. Parmelee	ACTC, Office Supervisor	
Claudia Leyva	ACTC, Admin. Assistant	
LEGAL COUNSEL/OTHERS	AGENCY	SIGNATURE
Zack Wasserman	WRBD	
Pamela Schock Mintzer	WRBD	
Neal Parish	WRBD	
Emily Landin-Lowe	Caltrans	
Mark Zabaneh	Caltrans	
Leo Scott	Gray-Bowen, Inc	

	NAME	JURISDICTION/AGENCY	PHONE #	E-MAIL
1.	Scott Haywood	VTA	408/321-7544	scott.haywood@vta.org
2.	Ramsay Hession	URS	408-297-9585	ramsay.hession@urscorp.com
3.	Stephen Jaas	ACTC	510-238-7427	sjaas@ALAMEDACTC.org
4.	James O'Brien	ALBCTC Project Grads	510 208 7464	jobrien@shaker.ctd.us
5.	James Varas	VSCE		
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Memorandum

July 11, 2011
Agenda Item 5.1

Date: **July 5, 2011**

To: **Sunol Smart Carpool Lane JPA**

From: **Frank R. Furger, Executive Director**

Subject: **Authorization to Execute CTOC MOU**

Action Requested

It is recommended that the JPA authorize the Executive Director to execute a Memorandum of Understanding with other members of the California Toll Operators Committee (CTOC). The MOU outlines interoperability and coordination between the various toll operators in California.

Discussion

The California Toll Operators Committee (CTOC) is a collaborative organization composed of California's toll facility operators/owners. CTOC is the primary resource for interoperability and coordination among tolling facilities, and education and advocacy regarding tolling in California.

The CTOC MOU will formalize the existing process of information sharing and collaboration on various issues related to interoperability, technology, operating policies, customer service, the legislative, administrative and regulatory framework for tolling, and other issues affecting tolling in California.

The following agencies will be represented on CTOC:

- Alameda County Transportation Commission (ACTC)
- Bay Area Toll Authority/Metropolitan Transportation Commission (BATA)
- Sunol SMART Carpool Lane Joint Powers Authority (I-680 JPA)
- California Department of Transportation (Caltrans)
- Santa Clara Valley Transportation Authority (VTA)
- South Bay Expressway, LLC (SBX)
- Riverside County Transportation Commission (RCTC)
- Orange County Transportation Authority (OCTA)
- Golden Gate Bridge, Highway and Transportation District (GGBHTD)
- Los Angeles County Metropolitan Transportation Authority (LACMTA)
- Transportation Corridor Agencies (TCA)
- San Diego Association of Governments SANDAG)

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Memorandum

Date: July 1, 2011

To: **Sunol Express Lane Joint Powers Authority**

From: Ray Akkawi, Manager of Project Delivery

Subject: I-680 Express Lane Project: Status Update – Electronic Toll System

Action

Attached for the Board's review and information is the status update for the I-680 Express Lane project – Electronic Toll System. The CMA is the sponsor of the HOT element of the I-680 Express Lane. However, the construction phase of the civil elements of this project is administered by Caltrans. The status report covers all activities through June 30, 2011.

Background

The 14 mile I-680 Express Lane extends from Highway 84 in the City of Pleasanton to Highway 237 in the City of Milpitas. The project widened the existing facility to allow the conversion of the HOV lane to Express (HOT) Lane. When the express lane opened it allowed carpools to travel free of charge and charged a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. The scope of the project consists of two elements; the Civil Element, widening to accommodate HOT; and the Electronic Toll System Element that includes the Dynamic Pricing.



**I-680 HOV/EXPRESS LANE PROJECT
Electronic Toll System
Status Report
For
June 2011**

PROJECT DESCRIPTION

The I-680 Express Lane project will allow carpools to travel free of charge and would charge a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. This project widened I-680 to accommodate the existing High Occupancy Vehicle (HOV) lane and the planned HOT lane; constructed improvements to provide a HOT lane along southbound I-680 from State Route (SR) 84 to Santa Clara County SR 237; and rehabilitated the existing pavement.

The Electronic Toll System component of the project includes the Dynamic Pricing Software, the Vehicle Detection System, the Vehicle Tolling Devices, the Data Toll Center, the Communications / Data Transfer, and the interface with Caltrans Traffic Management Center, Bay Area Toll Authority – Tolling Center, and the California Highway Patrol.

CONTRACT STATUS

Contract Status: The Electronic Toll System (ETS) contract was awarded to ETC on December 18, 2008. The notice to proceed (NTP) to perform phase 1 of the contract, that is to coordinate with the civil contractor(s), Caltrans, and BATA was issued mid January 2009. Notice to proceed to perform the work on phase 2 of the ETS contract was issued to ETC mid February 2009.

While the Express Lanes was opened on September 20, 2010, approval of the Site Acceptance Test (SAT) was granted in February 2011. Testing could not be performed earlier than December 2010 due to the in-availability of a complete system. The T-1 lines connecting CCTV to the Toll Data Center were not available until November 2010. Initial SAT testings were performed in December 2010, but due to the number of failures, mainly the drops to the cellular modems and the errors in some of the reports, System Manager warranted ETC additional time to workout these problems. Maintenance Online Management System (MOMS) was not communicating with the TDC directly. Alameda CTC staff were not notified of any equipment failure. Only ETC staff were notified of equipment failures. ETC had to correct this issue and reports of any equipment failure along with the proper action taken by ETC Operations and Maintenance staff are now being reported to both Alameda CTC staff and System Manager Staff.

The contract is under the warranty period and ETC staff is operating the facility under the supervision of the JPA.

JPA is exploring the implementation of a video / camera enforcement system to reduce the violation rate. A contract change order to provide the design is underway.

SCHEDULE STATUS

The System Integrator baseline schedule showed installation of equipment to begin in June 2010. Due to delays to the Civil contracts, installation of ETS devices did not begin until mid August 2010. ETC had to coordinate its work with the civil contractors.

ETC submitted a claim requesting additional compensation for the cost it incurred related to the delays in installing the equipment, and the request to complete the installation in three weeks instead of three months. ETC claimed that not passing the SAT requirements was a result of insufficient time to install the equipment. The three-month installation period would have allowed ETC to perform its own SAT testing. Instead, ETC had to perform the testing while the facility is in full operations. ETC requested compensation for extended project management, premium overtime and weekends work by ETC and its subconsultants, the use of temporary communication devices, and the delay in the commencement of the operations and maintenance phase. The claim totaled \$850K.

Alameda CTC staff and the System Manager reviewed the claim and agreed to negotiate a settlement for the items that had merit. ETC agreed to settle the claim for \$196K and to begin the operations and maintenance period April 1st 2011.

OUTSTANDING ISSUES/DISPUTES/CLAIMS

There are no outstanding issues. Below is the contract change order log for the System Integrator contract.

CONTRACT CHANGE ORDERS LOG

Authorized Dollar Amount: \$6,297,000.00 (including Contingency & 1 yr optional O&M)
Contract: \$4,940,926 Contingency:\$570,000 O&M \$786,074

CCO Number	Contingency Amount	Reason For CCIF	Dollar Amount Requested by this CCIF	Revised Contingency Amount
	\$570,000.00			\$570,000.00
1	\$570,000.00	Comms Alt.	(\$202,181.00)	\$772,181.00
2	\$772,181.00	SenSys Alt.	\$168,034.00	\$604,147.00
3	\$604,147.00	Dual DMS	\$17,847.00	\$586,300.00
4	\$586,300.00	Add'l Enforce Zone	\$127,115.00	\$459,185.00
5	\$459,185.00	CHP Enf. Equip	(\$47,868.00)	\$507,053.00
6	\$507,053.00	Customer Service	\$0.00	\$507,053.00
7	\$507,053.00	Additional Beacons	\$44,336.00	\$462,717.00
8	\$462,717.00	Earthcam	\$122,806.00	\$339,911.00
9	\$339,911.00	Idris Loops	\$56,242.00	\$283,669.00
10	\$283,669.00	LOS, Handheld Screen	\$27,957.00	\$255,712.00
11	\$255,712.00	Removal of CSR	(\$89,386.00)	\$345,098.00
12	\$345,098.00	Claim Settlement	\$196,737.00	\$148,361.00
13	\$148,361.00	Video Enforcement	\$40,000.00	\$108,361.00

CCO 13 has not been approved.

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July 11, 2011
Agenda Item 6.2

Memorandum

Date: July 1, 2011

To: **Sunol Express Lane Joint Powers Authority**

From: Emily Landin-Lowe, Regional Project Manager - Caltrans
Ray Akkawi, Manager of Project Delivery

Subject: I-680 Express Lane Project: Status Update – Electronic Toll System

Action

Attached for the Board's review and information is the status update for the I-680 HOV/Express Lane project – Caltrans administered Civil Elements. The CMA is the sponsor of the HOT element of the I-680 Express Lane. However, the construction phase of the civil elements of this project is administered by Caltrans. The status report covers all activities through June 30, 2011.

Background

The 14 mile I-680 Express Lane extends from Highway 84 in the City of Pleasanton to Highway 237 in the City of Milpitas. The project widened the existing facility to allow the conversion of the HOV lane to Express (HOT) Lane. When the express lane opened it allowed carpools to travel free of charge and charged a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. The scope of the project consists of two elements; the Civil Element, widening to accommodate HOT; and the Electronic Toll System Element that includes the Dynamic Pricing.

I-680 EXPRESS LANE CONTRACT STATUS DIAGRAM



CONTRACT 2 SR 84 to Mission (238)	
Award Date:	4/17/09
Project Allotment at award:	\$41,701,000
Paid To Contract To Date:	\$36,267,000
Construction Complete Date:	10/30/11 Target
Estimate at Completion:	\$41,700,000

CONTRACT 3 Mission (238) to Grimmer Blvd.	
Award Date:	4/7/09
Project Allotment at award:	\$ 32,859,000
Paid To Contract To Date:	\$ 32,276,000
Construction Complete Date:	10/15/10 Actual
Estimate at Completion:	\$ 34,000,000; Includes claim exposure

CONTRACT 1 Grimmer Blvd. to SR 237	
Award Date:	9/2/08
Project Allotment at award:	\$ 38,830,000
Paid To Contract To Date:	\$ 36,680,000
Construction Complete Date:	9/28/10 Actual
Estimate at Completion:	\$ 37,100,000

Other	
Mitigation Contract Capital Cost:	\$ 2,000,000
Landscape Contract Capital Cost:	\$ 3,400,000
Mitigation by Others Capital Cost:	\$ 647,000



I-680 HOV/EXPRESS LANE PROJECT
Construction of Civil Elements
Status Report
For
June 2011

PROJECT DESCRIPTION

The I-680 Express Lane project allows carpools to travel free of charge and charges a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. This project widened I-680 to accommodate the existing High Occupancy Vehicle (HOV) lane and HOT lane; constructed improvements to provide a HOT lane along southbound I-680 from State Route (SR) 84 to Santa Clara County SR 237; and rehabilitated the existing pavement. The Civil Elements of the project was divided into five Contracts. Below is the update of each contract:

CONTRACT 2 (Caltrans administered) - HOV/HOT Lane & Rehabilitation, from SR 238 to Stoneridge Drive.

CONTRACT STATUS

All contract work is complete. Hydromodification work required by the RWQCB is complete. Remaining work is change order and extra work. Some of the work is related to changes in the Express Lane access that were identified late in the contract. This requires additional paving. Contract is within budget. Expected completion is 10/30/11.

CONTRACT 1 (Caltrans administered) - HOV/HOT Lane & Rehabilitation, from Grimmer Boulevard to SR 238.

CONTRACT STATUS

Construction was completed September 27, 2010. Closeout in process, most issues have been resolved.

CONTRACT 3 (Caltrans administered) - HOV/HOT Lane & Rehabilitation, from SR 237 to Grimmer Boulevard

CONTRACT STATUS

Construction was completed October 15, 2010. Closeout in process but there is a large claim that requires an audit that is still in process.

CONTRACT 5 (Caltrans administered) – Mitigation at Sabercat

CONTRACT STATUS

Construction was suspended for the winter. Work will begin after SWPPP approval.

CONTRACT 6 (Caltrans design & administered) – Landscape

CONTRACT STATUS

Design on hold due to impacts from Freeway Performance Initiative Project conflicts. Project will be rescheduled to avoid rework.

OTHER ISSUES:

Ramp metering will be activated in July 2011. Public information releases and metering signage indicating the date of deployment will begin one week prior to activation.

There is an additional contract under a cooperative agreement with the City of Dublin administering for required mitigation. Construction is complete and the monitoring period is beginning. Project is anticipated to remain within budget.

CTC approved the payback of \$10M in LONP/TCRP funds to ACTC. Amendment to the cooperative agreement between Alameda CTC and Caltrans is underway to allow for the payback.

July 11, 2011
Agenda Item 6.3

Memorandum

Date: July 1, 2011
To: **Sunol Express Lane Joint Powers Authority**
From: Ray Akkawi, Manager of Project Delivery
Subject: I-680 Northbound Express Lane Project

Attached for the Committee's review is the monthly status report for the I-680 Northbound Express Lane Project. The Alameda CTC is the sponsor for this Project. The status report covers all activities through June 30, 2011.

I-680 NORTHBOUND EXPRESS LANE PROJECT
Project Status Report
Through June 30, 2011

PROJECT DESCRIPTION

The Project will construct a northbound high occupancy vehicle (HOV) lane and convert it to an express lane on I-680 in Alameda and Santa Clara Counties from State Route 84 in Sunol (PM 11.5) to State Route 237 in Milpitas (PM 7.4), a distance of approximately 14 miles.

PROJECT FUNDING

Funds are available to perform Preliminary Engineering and Environmental Document. Limits of Phase One of the project will be determined by the Traffic Operations Analysis and the cost to construct that phase will be determined by the project footprint. Funding for phase one is yet to be determined.

PROJECT STATUS

An RFP to select a consultant to prepare the Project Approval and Environmental Document was issued in May 9. Five proposals were received and the selection panel shortlisted three companies. Members of the selection panel were from Caltrans, MTC, Santa Clara Valley Transportation Authority, City of Pleasanton, and Alameda CTC. Interviews were held on June 16.

RECENT ACTIVITIES

- A consultant was selected to prepare Supplemental Project Report and Environmental Documents.
- A consultant was selected to provide Systems Manager services (for all Alameda CTC Express Lanes contracts).

UPCOMING ACTIVITIES

- Staff recommendation to Commission for approval of Environmental and Design contract in July 2011;
- Staff recommendation to Commission for approval of Systems Manager contract in July 2011.
- Issue Notice to Proceed to the selected consultant to begin work.
- A delivery schedule will be submitted by the consultant showing all activities and milestones.

PROJECT COST & FUNDING SUMMARY

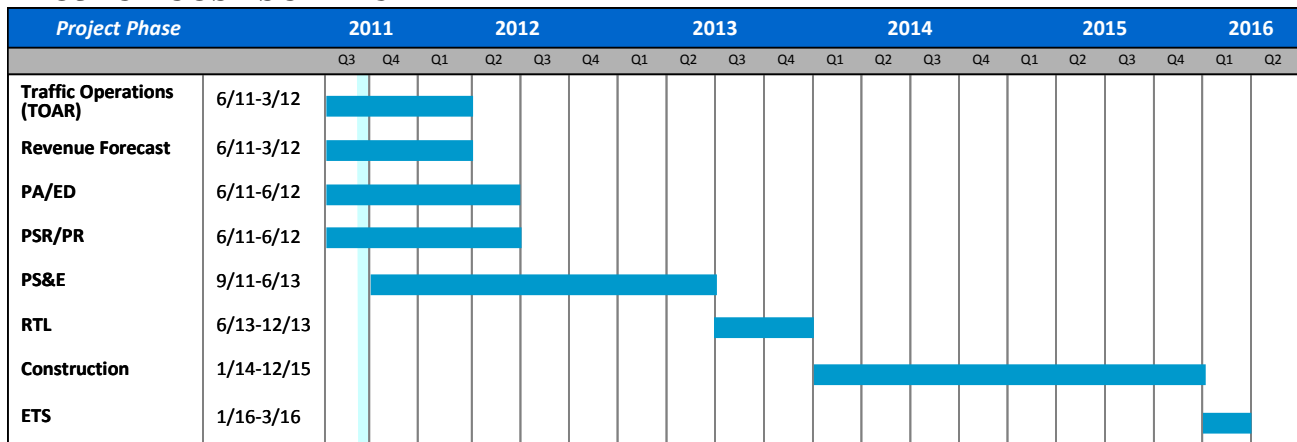
Project Cost/Funding

Cost Estimate by Phase*	
Traffic Analysis	\$ 500,000
PE/ Environmental	\$ 4,000,000
PS&E	\$
Right of Way/Utilities	\$
Systems Manager	\$ 1,000,000
Construction	\$
TOTAL Expenditures:	\$ 5,500,000

Funding*	
Measure B	\$ 5,500,000
TOTAL Revenues:	\$ 5,500,000

**Based on the Alameda CTC March 2011 Funding Plan*

PROJECT COST SCHEDULE



OUTSTANDING ISSUES

None.

Memorandum

July 11, 2011
Agenda Item A.3

Date: **July 3, 2011**

To: **Sunol Smart Carpool Lane JPA**

From: **Frank R. Furger, Executive Director**

Subject: **Express Lane Operations Summary**

The following summarizes the operations of the I-680 Express Lane through the end of June 2011, totaling 41 weeks of operations.

	Sept 20, 2010 - Week 41	Last Month	Week 41
Total Revenue	\$657,467.00	\$79,830.70	\$14,562.35
Average Daily Revenue	\$3,207.16	\$3,628.67	\$3,640.59
Highest Daily Revenue - February 8th	\$11,372.65		
Total Trips	279,890	34,447	6,246
Average Number of Trips Per Day	1,365	1,566	1,562
Highest Number of Trips Per Day - February 8th	2,324		
Average Toll	\$2.35	\$2.32	\$2.33
Min Toll	\$0.30	\$0.30	\$0.30
Max Toll	\$7.50	\$7.50	\$7.50
Average Peak Period Toll	\$2.97	\$2.87	\$2.84
Average Off-Peak Period Toll	\$0.48	\$0.45	\$0.47

- Total Gross Revenue for FY 10/11 exceeded the projected \$630,000
- Trips in the Express Lane have been consistent over the last month averaging 1560 per day
- Daily Revenue is averaging approximately \$3640

Attachments:

Total Trips by Week
 Total Revenue by Week
 Cumulative Revenue by Week
 Typical Daily Revenue by Hour
 Typical Daily Trips by Hour
 Typical Average Toll Rate per Hour

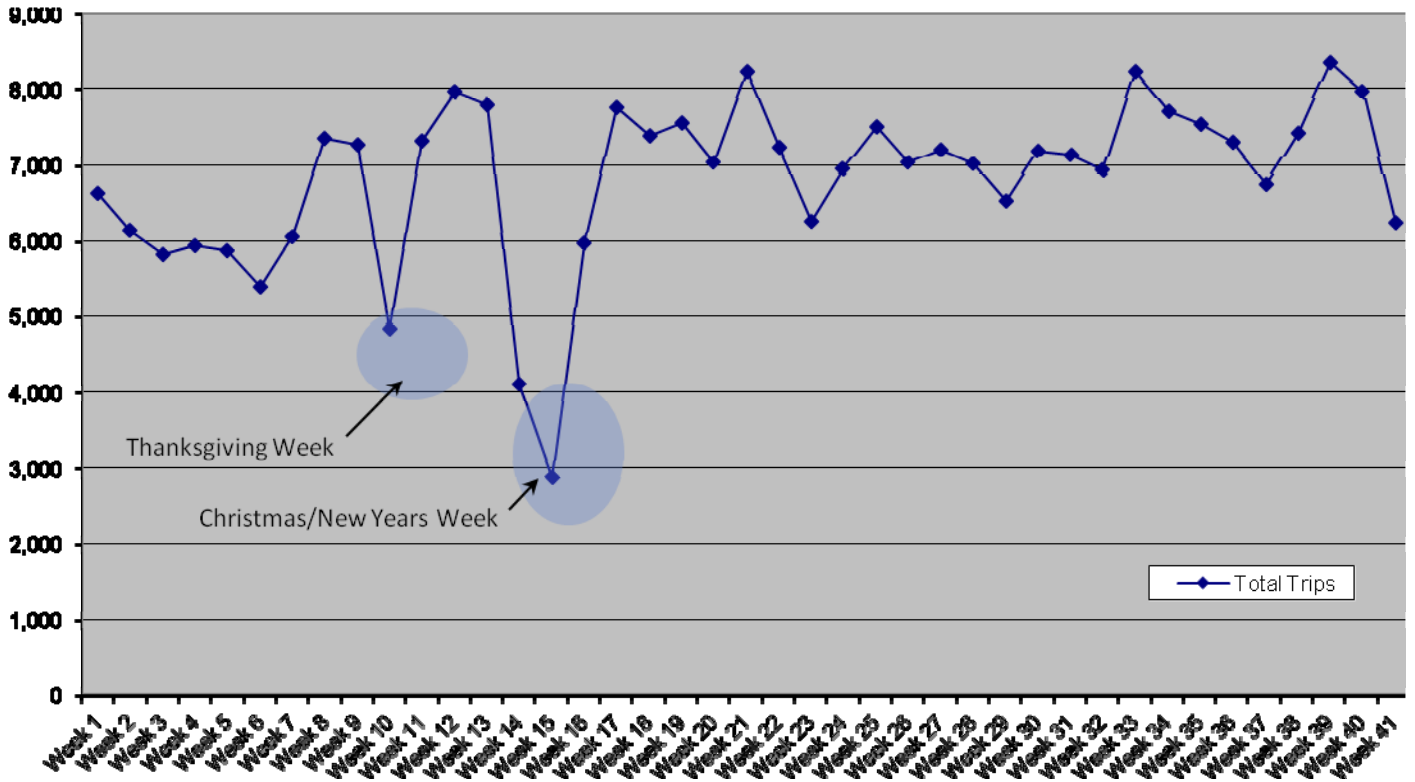


Figure 1 – Total Trips by Week

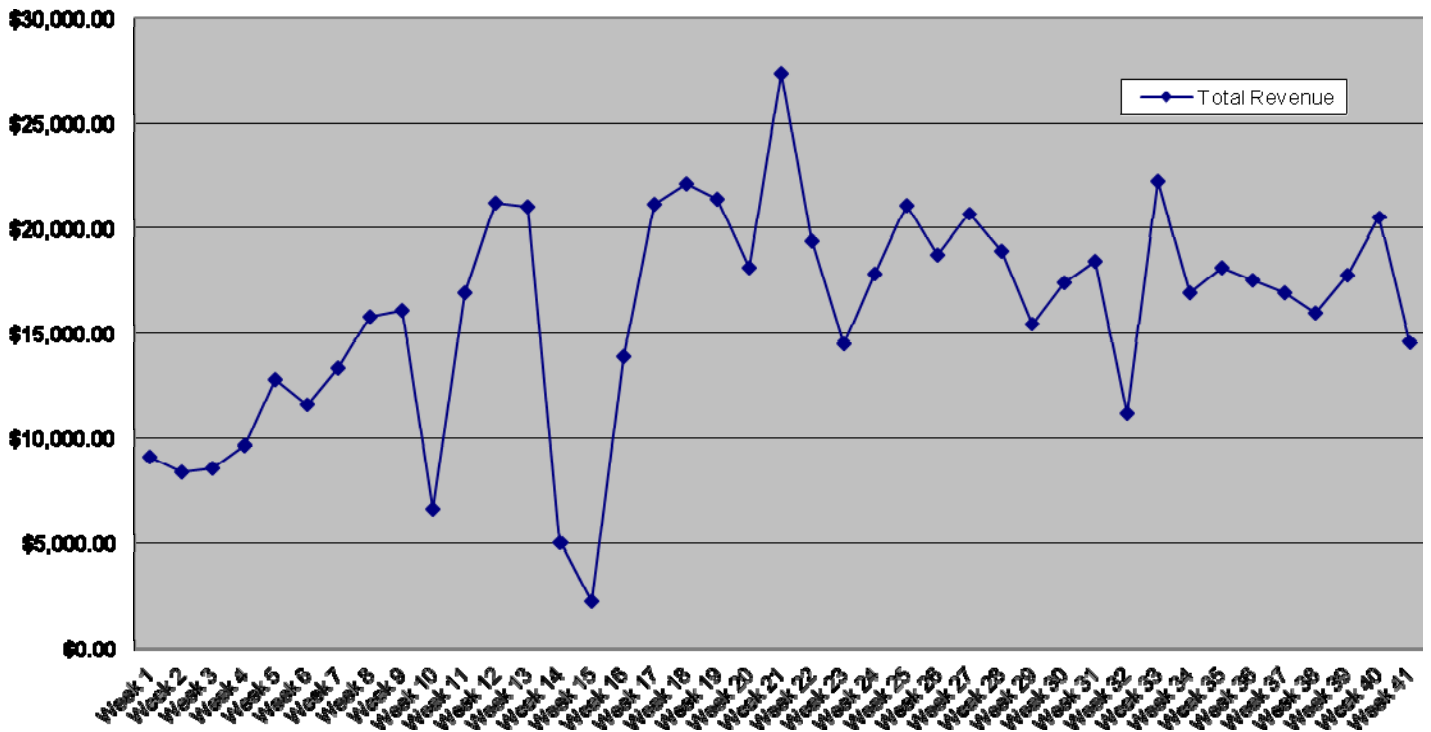


Figure 2 – Total Revenue by Week

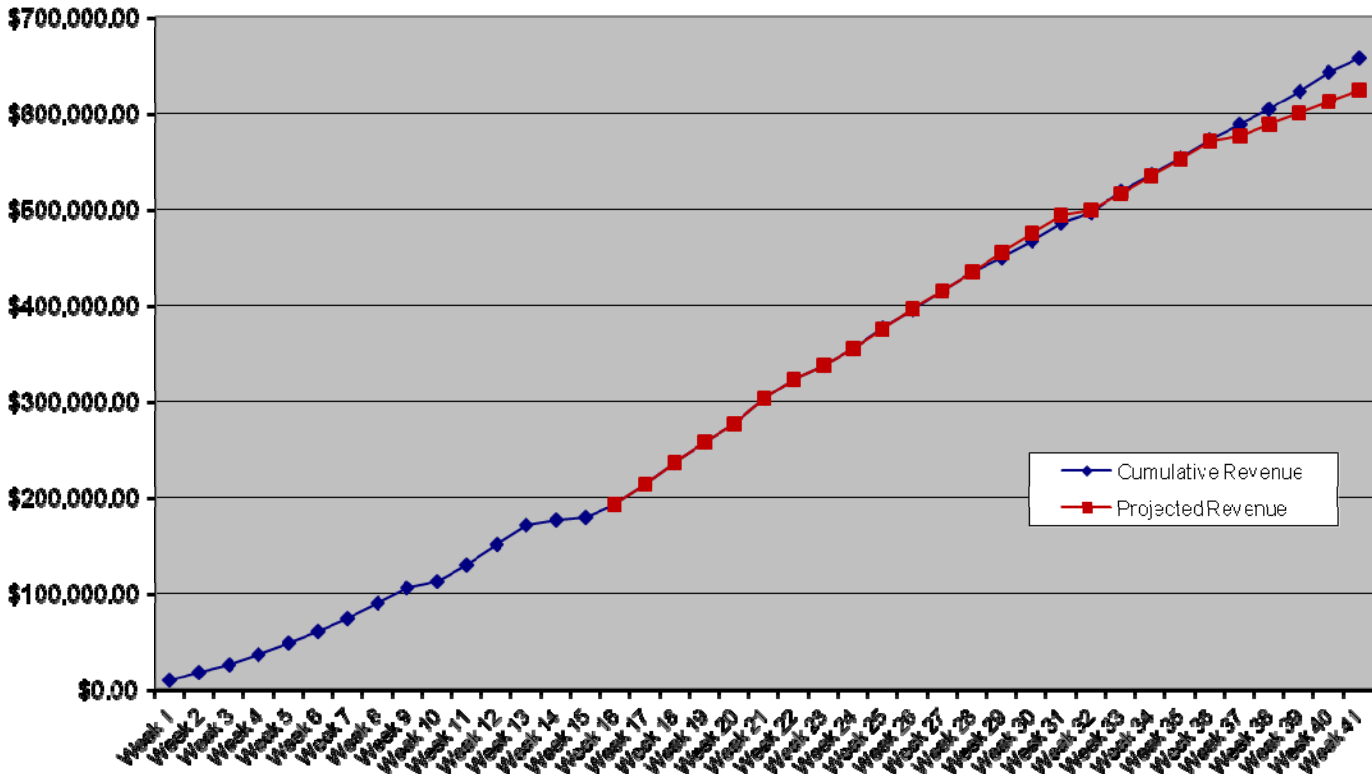


Figure 3 – Cumulative Revenue by Week

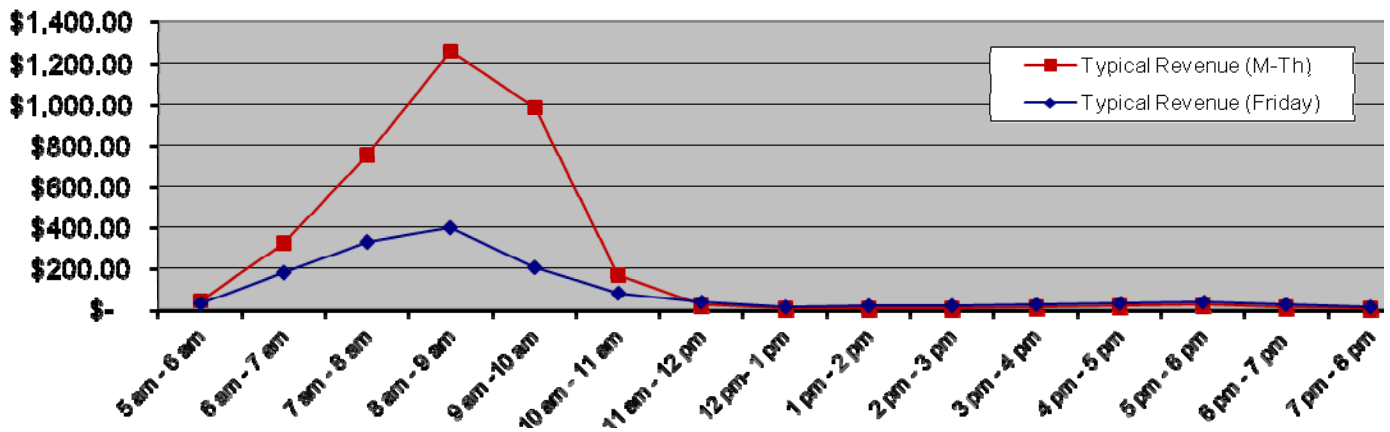


Figure 4 - Typical Daily Revenue by Hour



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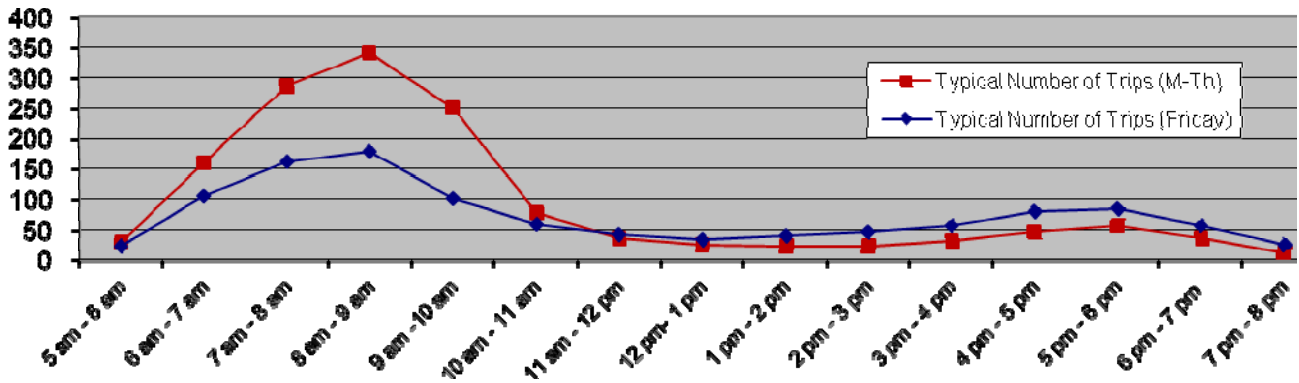


Figure 5 – Typical Daily Trips by Hour

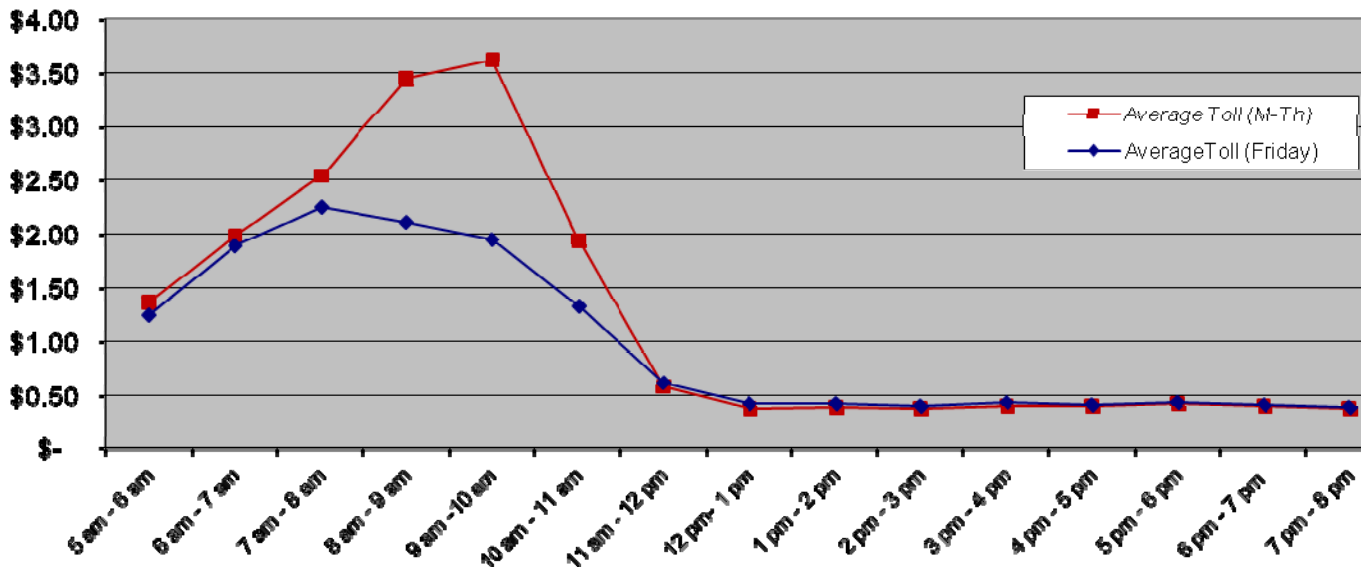


Figure 6 - Average Toll Rate by Hour

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