

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

MEETING NOTICE

Monday, March 14, 2011

9:30 A.M.

Alameda CTC Board Room
1333 Broadway, Suite 300
Oakland, CA 94612

Chair: Supervisor Scott Haggerty, ACTIA/Alameda CTC

Vice Chair: Councilmember Bill Harrison, ACTIA/
Alameda CTC

Members:

Mayor Mark Green, ACCMA/Alameda CTC

Mayor Jennifer Hosterman, ACCMA/Alameda CTC

Vice Mayor Pete McHugh, VTA

Staff Liaison: Frank R. Furger

Secretary: Christina Muller

AGENDA

1.0 PLEDGE OF ALLEGIANCE

2.0 ROLL CALL

3.0 PUBLIC COMMENT

Members of the public may address the Board during "Public Comment" on any item not on the agenda. Public comment on an agenda item will be heard when that item is before the Board. Anyone wishing to comment should make their desire known to the Chair.

4.0 MINUTES OF FEBRUARY 14, 2011* (Page 1)

Action

The Board is requested to approve the attached Minutes of February 14, 2011.

5.0 ADMINISTRATIVE MATTERS

5.1 1st Quarter Financial Update*(Page 5)

Action

It is recommended that the JPA Board approve the attached Operating Statement of Revenues and Expenditures (Attachment A) for the first quarter of the Sunol Smart Carpool Lane operations.

6.0 HOV/ EXPRESS LANE PROJECT STATUS UPDATE

6.1 HOV Widening Status Update**

On behalf of the JPA, ACCMA / Alameda CTC 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. A verbal report will be presented by Caltrans staff at the meeting.

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)

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

A.3 I-680 Express Lane Status Update* (Page 9)

Information

The Express Lane Facility opened on September 20th at 5 am. Attached is a summary of operations of the facility for the first 24 weeks of operations.

A.4 Northbound HOV/Express Lane Project – Project Delivery Plan* (Page 19) Discussion/Action

At the February, 2011 I-680 Express Lane JPA meeting, staff was requested to prepare and present the I-680 Northbound HOV / Express Lane Project Delivery Plan to expedite the opening of the NB facility. Staff has gathered the available studies that were prepared for this project and is in the process of developing a draft project delivery plan. A status report will be provided at the meeting.

A.5 Recess Joint Meeting

7.0 ADJOURNMENT/ NEXT MEETING: APRIL 11, 2011

* Materials enclosed

** Verbal presentation will be made or materials will be available at the meeting

All items on the agenda are subject to action and/or change by the JPA Board.

PLEASE DO NOT WEAR SCENTED PRODUCTS SO INDIVIDUALS WITH ENVIRONMENTAL SENSITIVITIES MAY ATTEND

Glossary of Acronyms

ABAG	Association of Bay Area Governments	MTC	Metropolitan Transportation Commission
ACCMA	Alameda County Congestion Management Agency	MTS	Metropolitan Transportation System
ACE	Altamont Commuter Express	NEPA	National Environmental Policy Act
ACTA	Alameda County Transportation Authority (1986 Measure B authority)	NOP	Notice of Preparation
ACTAC	Alameda County Technical Advisory Committee	PCI	Pavement Condition Index
ACTC	Alameda County Transportation Commission	PSR	Project Study Report
ACTIA	Alameda County Transportation Improvement Authority (2000 Measure B authority)	RM 2	Regional Measure 2 (Bridge toll)
ADA	Americans with Disabilities Act	RTIP	Regional Transportation Improvement Program
BAAQMD	Bay Area Air Quality Management District	RTP	Regional Transportation Plan (MTC's Transportation 2035)
BART	Bay Area Rapid Transit District	SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act
BRT	Bus Rapid Transit	SCS	Sustainable Community Strategy
Caltrans	California Department of Transportation	SR	State Route
CEQA	California Environmental Quality Act	SRS	Safe Routes to Schools
CIP	Capital Investment Program	STA	State Transit Assistance
CMAQ	Federal Congestion Mitigation and Air Quality	STIP	State Transportation Improvement Program
CMP	Congestion Management Program	STP	Federal Surface Transportation Program
CTC	California Transportation Commission	TCM	Transportation Control Measures
CWTP	Countywide Transportation Plan	TCRP	Transportation Congestion Relief Program
EIR	Environmental Impact Report	TDA	Transportation Development Act
FHWA	Federal Highway Administration	TDM	Travel-Demand Management
FTA	Federal Transit Administration	TEP	Transportation Expenditure Plan
GHG	Greenhouse Gas	TFCA	Transportation Fund for Clean Air
HOT	High occupancy toll	TIP	Federal Transportation Improvement Program
HOV	High occupancy vehicle	TLC	Transportation for Livable Communities
ITIP	State Interregional Transportation Improvement Program	TMP	Traffic Management Plan
LATIP	Local Area Transportation Improvement Program	TMS	Transportation Management System
LAVTA	Livermore-Amador Valley Transportation Authority	TOD	Transit-Oriented Development
LOS	Level of service	TOS	Transportation Operations Systems
		TVTC	Tri Valley Transportation Committee
		VHD	Vehicle Hours of Delay
		VMT	Vehicle miles traveled



Directions to the Offices of the Alameda County Transportation Commission:

**1333 Broadway, Suite 220
Oakland, CA 94612**

Public Transportation Access:

BART: City Center / 12th Street Station

AC Transit:

Lines 1,1R, 11, 12, 13, 14, 15, 18, 40, 51, 63, 72, 72M, 72R, 314, 800, 801, 802, 805, 840

Auto Access:

- Traveling South: Take 11th Street exit from I-980 to 11th Street
- Traveling North: Take 11th Street/Convention Center Exit from I-980 to 11th Street
- Parking: City Center Garage – Underground Parking, (Parking entrances located on 11th or 14th Street)



**Alameda County
Transportation Commission
1333 Broadway, Suite 220
Oakland, CA 94612**

**SUNOL SMART CARPOOL LANE
JOINT POWERS AUTHORITY
GOVERNING BOARD
MINUTES OF FEBRUARY 14, 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 Board member Don Biddle.

2.0 ROLL CALL

Muller conducted the roll call and confirmed a quorum.

3.0 PUBLIC COMMENT

There was no public comment.

4.0 MINUTES OF JANUARY 10, 2011

A motion was made by Green to approve the Minutes of January 10, 2011; a second was made by Harrison. The motion passed unanimously.

5.0 ADMINISTRATIVE MATTERS

5.1 1st Quarter Financial Update

Chair Haggerty advised the JPA Board that this item will be moved to next month.

5.2 Authorization for Executive Director to Execute Funding Agreement with Alameda CTC

Furger requested that the JPA Board authorize the Executive Director to execute an agreement with the Alameda CTC for expenditure of CMA TIP funds that have previously been programmed for the development and management of the I-680 Express Lane project. A motion was made by Green to approve staff recommendations; a second was made by Biddle. The motion passed unanimously.

6.0 HOV/ EXPRESS LANE PROJECT STATUS UPDATE

6.1 HOV Widening Status Update

Emily Landin-Lowe advised the JPA Board that the last roadway contract and the mitigation contract are both still on winter suspension. Both projects will start back up in the spring. The first two contracts are completed, and are in the close-out process, and have received contract acceptance.

A.0 JOINT MEETING WITH I-580 POLICY ADVISORY COMMITTEE

A.1 Convene joint meeting with I-580 Express Lane Policy Advisory Committee (PAC)

A.2 PAC Roll Call – Confirm PAC Quorum (no action by JPA Board)

A.3 I-680 Express Lane Status Update

Furger provided a power point presentation reflecting “21 Week Summary” of the facts and figures collected from September 20, 2010 to February 11, 2011. Furger discussed the CHP enforcement along the corridor and addressed questions from the Board members on CHP enforcement.

A.4 Update on Insurance Requirements for Express Lanes

Legal counsel reviewed the Summary of Insurance Options for the JPA, and outlined three different options of coverage for the Board's consideration. After discussion, a motion was made by Green to approve Option 2: Premises and Operations Liability - \$10,000 deductible / Limits of \$2,000,000 per occurrence, \$3,000,000 per year. A second was made by Harrison. Chair Haggerty requests that an RFP for insurance services and coverage be re-bid in one year. The motion passed unanimously.

A.5 Update on Automated Enforcement Options

Furger reviewed with the JPA and PAC the enforcement process for the Express Lane is currently being performed by the California Highway Patrol (CHP) at a cost of approximately \$300,000 per year. Furger advised the JPA and PAC that he is investigating the option of an automated enforcement system that could be implemented on the Express Lane, and may allow for reduction in the CHP enforcement cost. Furger provided a power point presentation reviewing options for automated enforcement. After discussion, Furger was directed to coordinate with BATA and explore automated enforcement options. Furger will provide an update at the next meeting.

A.6 Recess Joint Meeting

7.0 ADJOURNMENT/NEXT MEETING: MARCH 14, 2011

The next I-680 Sunol Smart Carpool Lane Joint Powers Authority Governing Board is scheduled for March 14, 2011

Attested by:



Christina Muller,
I-680 JPA Secretary

SUNOL SMART CARPOOL LANE
JOINT POWERS AUTHORITY
GOVERNING BOARD

February 14, 2011
ACTIA/CTC Board Room
1333 Broadway, Suite 300, Oakland, CA

MEMBERS	Initials	CMA STAFF	Initials
Supervisor Scott Haggerty, ACTIA Chair JPA	<i>SH</i>	Art Dao, ACTC Executive Director	<i>AD</i>
Council Member Bill Harrison, ACTIA Vice Chair	<i>BH</i>	Frank Furger, JPA Executive Director	<i>FF</i>
Mayor Mark Green, ACCMA	<i>MG</i>	Ray Akkawi, Mgr of Project Delivery	<i>RA</i>
Mayor Jennifer Hosterman, ACCMA	<i>JH</i>	Christina Muller, Secretary	<i>CM</i>
Vice Mayor Pete McHugh, VTA	<i>PM</i>	Claudia Leyva, Administrative Assistant	<i>CL</i>

Bill Harrison

LEGAL COUNSEL/OTHERS

	Initials		
Zack Wasserman - WRBD	<i>ZW</i>	James O'Shea	ACTC-ACTIA PT JPA
Neal Parish, - WRBD	<i>NP</i>		
Pamela Schock Mintzer, WRBD	<i>PSM</i>		
Emily Landin-Lowe - Caltrans	<i>EL</i>		
Mark Zabaneh - Caltrans	<i>MZ</i>		
Leo Scott - Gray-Bowen, Inc			

NAME	JURISDICTION/ORGANIZATION	PHONE #	E-MAIL
1. DON BIDDLE	CITY OF DUBLIN		
2. J.D. MARGULIC	TEKASIS INC	516.978.1158	jd@tekasis.com
3. Michael Todasco	TEKASIS INC	408.207.5296	mike@tekasis.com
4. PATRICIA REAVEY	ACTC	510.267-7422	preavey@alamedactc.org
5. Yvonne Chan	ACTC	510.330-2321	ychan@accma.org.gov
6. STEPHEN STAS	ACTC	510-350-2330	STAS@ACCMA.CA.GOV
7. KEN ROSS	LIVERMORE	925-960-4512	kenross@ci.livermore.ca.us
8. Ramsey Hesson	URS	408-297-9585	ramsey_hesson@urscorp.com
9. SHRUTI MALIK	WGA	415-495-6201 ext 224	smalik@wilbur-smith.com
10. Dawn Byler	ALCO BOSTON	925-551-6995	dawn.argente@regoo.org

Agenda Item 4.0

- 11. Rex McMillan BATA 510 217-5860 YMC-MILLAN@MCS.CO.EDU
- 12. _____
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Memorandum

Date: March 3, 2011

To: **Sunol Smart Carpool Lane JPA**

From: Patricia Reavey, Director of Finance

Subject: **Approval of the Sunol Smart Carpool Lane First Quarter Operating Statement of Revenues and Expenditures**

Recommendation:

It is recommended that the JPA Board approve the attached Operating Statement of Revenues and Expenditures (Attachment A) for the first quarter of the Sunol Smart Carpool Lane operations.

Summary:

The first quarter financial report summarizes expenditures related to the Express Lane operations from September 20 through December 31, 2010. Most operating expenditures through June, 2012 are being paid with grant funding through the ACCMA's I-680 Southbound Hot Lane Project which has eliminated operating expenditures in the first quarter Statement of Revenues and Expenditures. The Alameda County Transportation Commission (Alameda CTC) is in the process of drawing up a contract with the JPA to document this agreement. This agreement will ensure that the bulk of operating revenues earned through June, 2012 are reserved to assist in funding FY2012/13 operations and future JPA needs when most grant funds will no longer be available.

Since most operating costs are being funded through the ACCMA's Sunol Smart Carpool Lane Project, the JPA's Statement of Revenues and Expenditures is not very helpful for informational purposes. To help understand what operating costs for the Express Lane really are for the September 20 through December 31, 2010 timeframe, staff also has included an additional statement which summarizes total costs incurred to operate the Sunol Smart Carpool Lane which were funded through the ACCMA's project (Attachment B).

Background:

The I-680 Express Lane opened for operations on September 20, 2010. The budget approved by the JPA Board projected toll revenue for the FY2010/11 budget year of \$630,000 and identified \$289,200 in operations related expenditures to be funded from toll revenue. An additional \$1.7 million in expenditures related to the first year of start-up and operations was anticipated to be funded with existing state, federal and local grant funds.

Fiscal Impact:

There is no fiscal impact to the approval of this item.

Attachments:

- Attachment A - Statement of Operating Revenues and Expenditures for the period
September 20 through December 31, 2010
- Attachment B - Sunol Smart Carpool Lane Operating Expenditures for the period
September 20 through December 31, 2010

SUNOL SMART CARPOOL LANE			
Statement of Operating Revenues and Expenditures			
For the Period September 20 through December 31, 2010			
		Period To Date	Annual Adopted Budget
<u>OPERATING REVENUES</u>			
	Toll Revenue	\$ 173,887	\$ 630,000
	Adjustments/Rejects	(165)	-
	Promotions	(10,310)	-
	Grant reimbursed	-	-
	Interest	-	1,400
	Total Operating Revenues:	163,412	631,400
<u>OPERATING EXPENSES</u>			
	Express Lane Maintenance (Caltrans)	-	135,200
	Project Controls	-	100,000
	Data Communications	-	30,000
	Data Server Maintenance	-	22,800
	Utilities	-	1,200
	Total Operating Expenses:	-	289,200
	Operating Surplus (Deficit)	<u>\$ 163,412</u>	<u>\$ 342,200</u>
Notes:			
- No Caltrans maintenance costs were incurred in this period.			
- All other operating expenditures through June 2012 are being paid with grant funding through the ACCMA's I-680 Southbound HOT Lane Project. The JPA and the Alameda CTC are in the process of drawing up a contract to document this agreement.			

SUNOL SMART CARPOOL LANE				
OPERATING EXPENDITURES				
For the Period September 20 through December 31, 2010				
			--- Revenues Sources ---	
	Operating		ACCMA	Operating
	Expenditures		Capital Grants	Revenues
Executive Director Compensation	\$ 46,679		\$ 46,679	\$ -
BATA Transaction Fees	41,321		41,321	-
CHP Enforcement	38,000		38,000	-
Insurance	18,760		18,760	-
Legal Fees	18,720		18,720	-
Traffic Management Center Rent	8,050		8,050	-
ACTC Staff Time Charges	23,424		23,424	-
Utilities	2,372		2,372	-
IT Support and TMC Construction	171		171	-
Miscellaneous	2,825		2,825	-
Total Operating Expenditures	\$ 200,321		\$ 200,321	\$ -

Memorandum

Date: March 3, 2011

To: **Sunol Smart Carpool Lane JPA**

From: Frank R. Furger, Executive Director

Subject: I-680 Express Lane: Update on Operations

Attached for the Board’s review is a summary of the 24 weeks of operations of the I-680 Express Lanes.

Total Gross Revenue through 24 weeks	\$ 354,774
Average Daily Revenue	\$ 2,956
Average Daily Revenue - 2011	\$ 3,911
Highest Daily Revenue – February 8th	\$ 11,373
Total Trips through 24 weeks	155,788
Average Number of Trips per day	1,298
Average Number of Trips per day - 2011	1,431
Highest Number of Trips per day – February 8th	2,324
Average Toll	\$2.28
Average Peak Period Toll	\$2.91
Average Off Peak Toll	\$0.49
Range of Tolls	\$0.30 - \$7.50

Operations Summary

The Express Lane had the highest single day usage on February 8th. An accident in the general purpose lanes created a backup for much of the morning commute. As a result, a higher number of commuters than usual chose to use the Express Lane to bypass the congestion. A total of 2,324 trips were taken, with revenue of \$11,373.

Maximum toll charged: \$7.50

Attached Graphs:

Trips by Week

Revenue by Week

Cumulative Revenue by Week

Revenue by Day

Revenue by Day – 2011

Trips by Day

Trips by Day - 2011

Other Corridor Activities

Ramp Metering

Caltrans, MTC and consultants continue to work with jurisdictions in the Corridor to finalize a plan to implement ramp metering in the Corridor. Several meetings have been held with the locals to allow jurisdictions to provide their input into the plan. A draft cooperative agreement has been developed and is being reviewed by local agencies. The agreement will specify the operational plan for the ramp meters.

Additional Traffic Studies

A consultant team has begun a traffic study that will evaluate corridor travel times, volumes at the on and off ramps and movements in and out of the three Express Lane toll zones. The results of the study will be used to evaluate Express Lane operations and any needed changes to toll policy. The study is being coordinated with Caltrans and the Corridor ramp metering plan.

Automated Enforcement

Staff continues to work with the Express Lane System Integrator and other consultants in the evaluation of options for an automated enforcement system. I have also met with staff from BATA to explore options for a partnership to implement an automated enforcement demonstration project in the Corridor.

Tours of the Express Lane Facility

Staff has hosted two tours of the Express Lane facility over the last month.

On February 9th, JPA Chair Haggerty provided an overview of the Express Lane development process to Board members and staff from the Contra Costa Transportation Authority. Following the briefing in the Traffic Management Center, the group was taken for a tour of the Corridor.

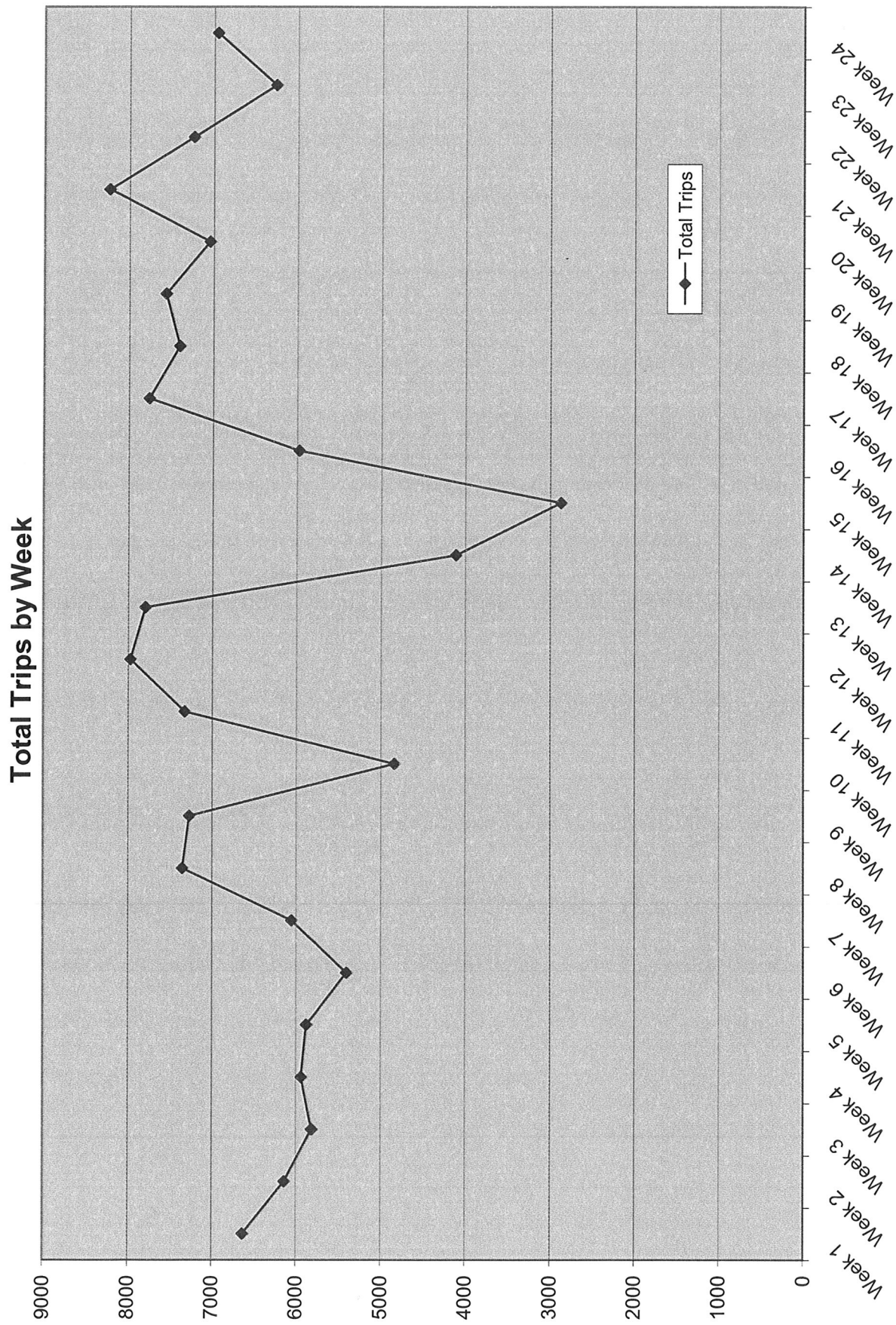
On February 17th, staff and consultants from the Los Angeles County Metropolitan Transportation Authority visited the I-680 TMC and took a tour of the facility. LA Metro is in the development stage for planned Express Lanes on I-10 and I-110. These projects are scheduled to open in 2012.

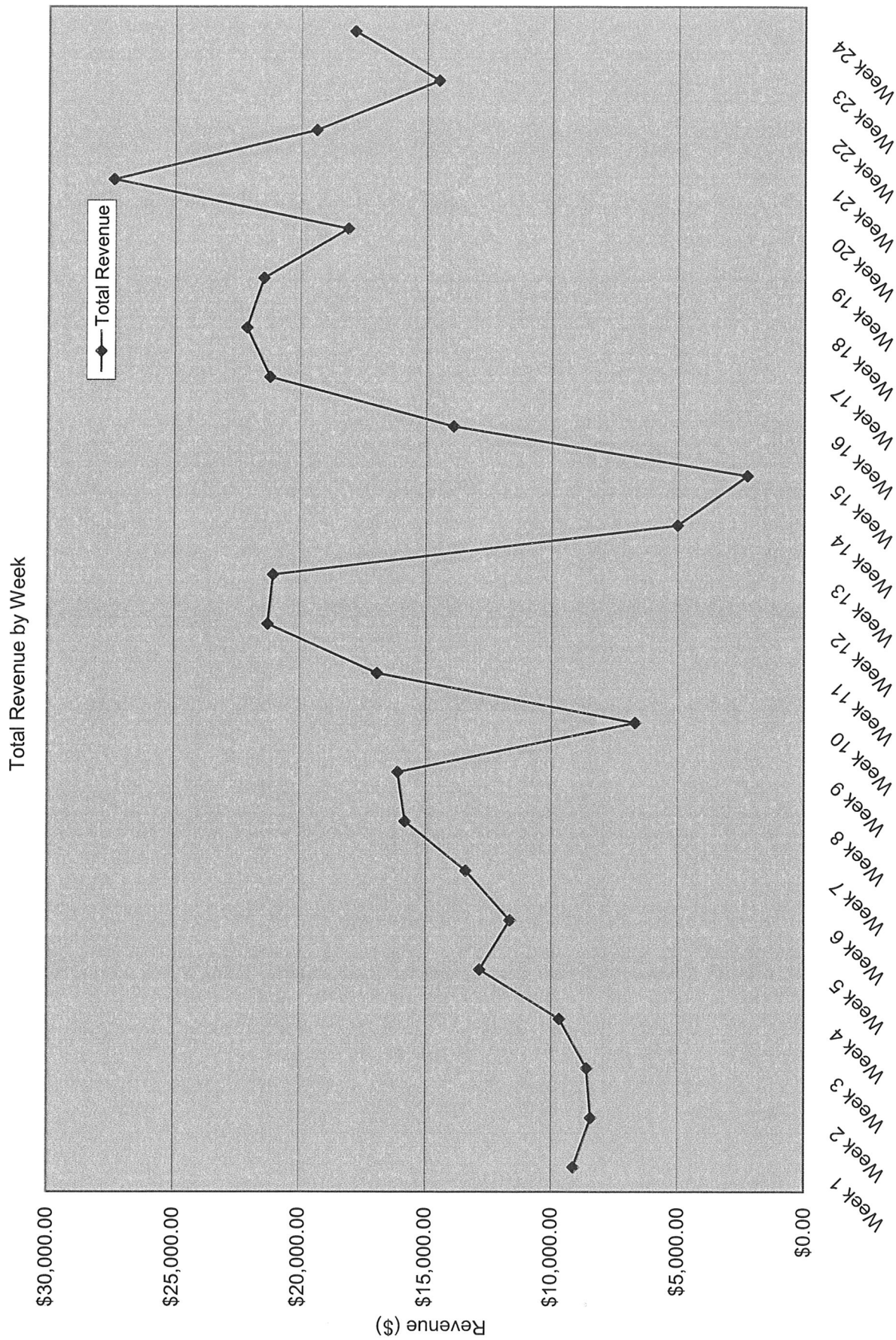
Media Coverage

The Express Lane continues to attract media coverage. The following is a link to a favorable article that was in the San Jose Mercury News discussing the operations of the Express Lane and the travel times in the corridor.

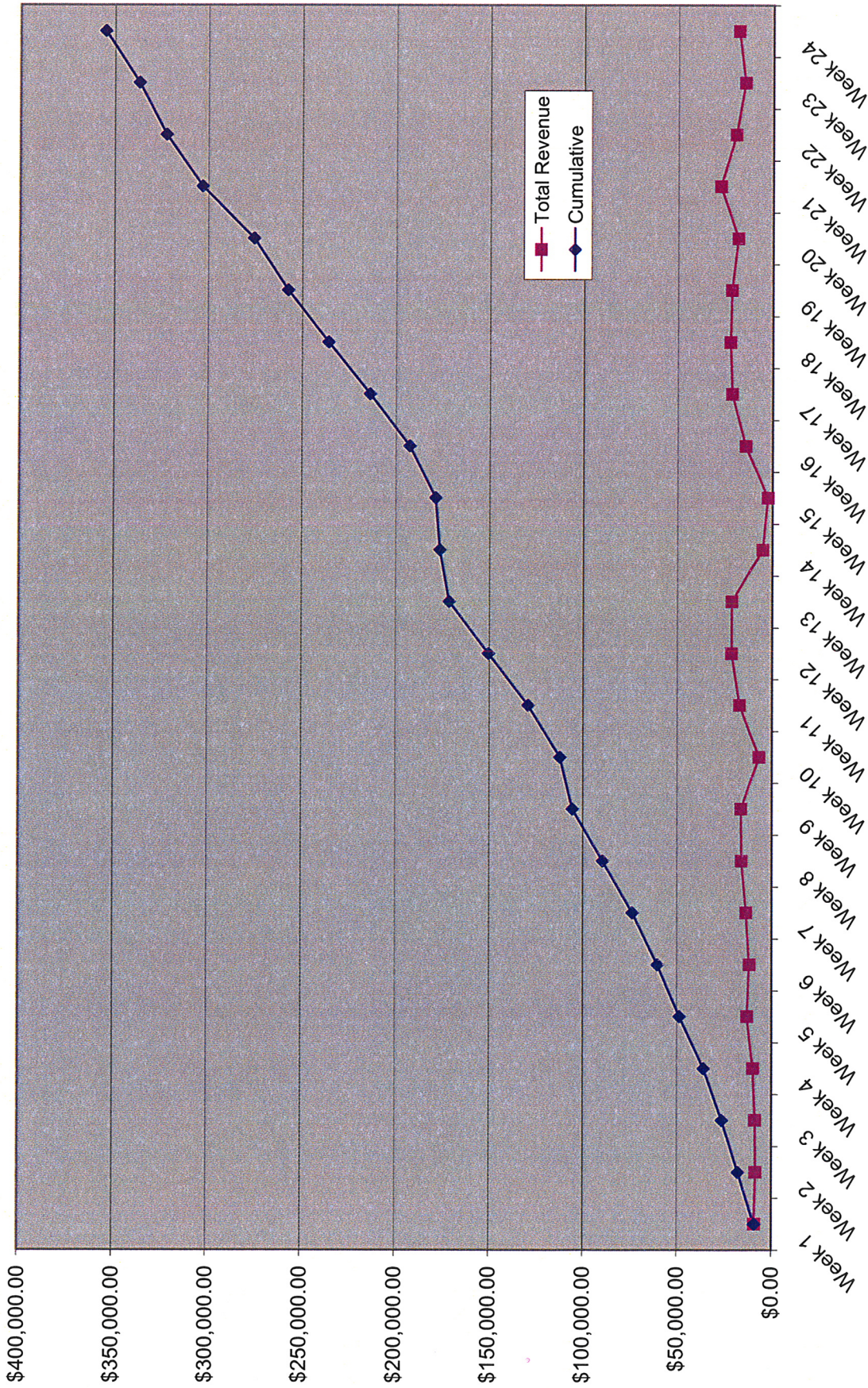
http://www.mercurynews.com/mr-roadshow/ci_17438165?IADID=Search-www.mercurynews.com-www.mercurynews.com

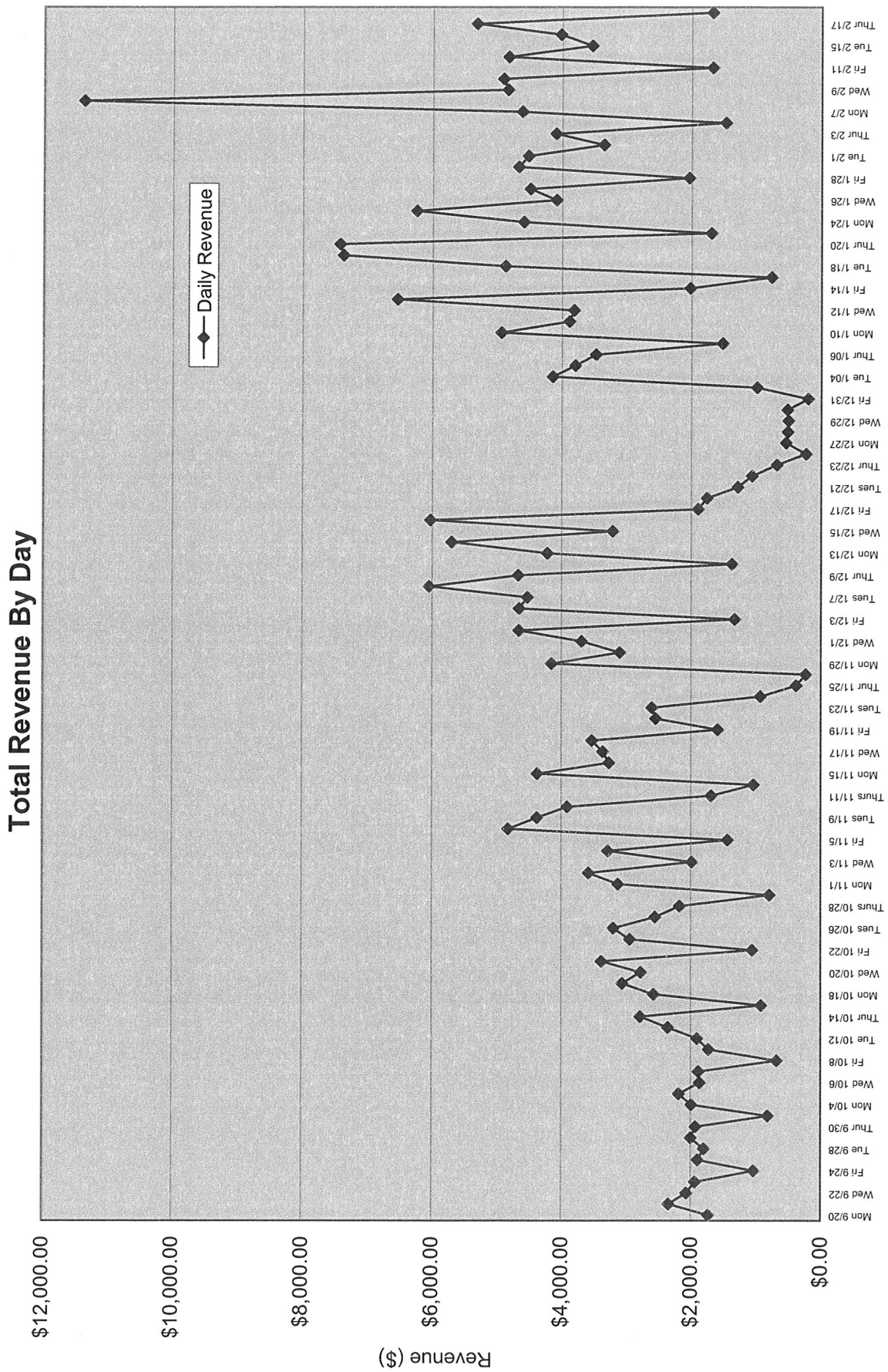
I have also received a request from the Alameda Newspaper Group to do a similar story.



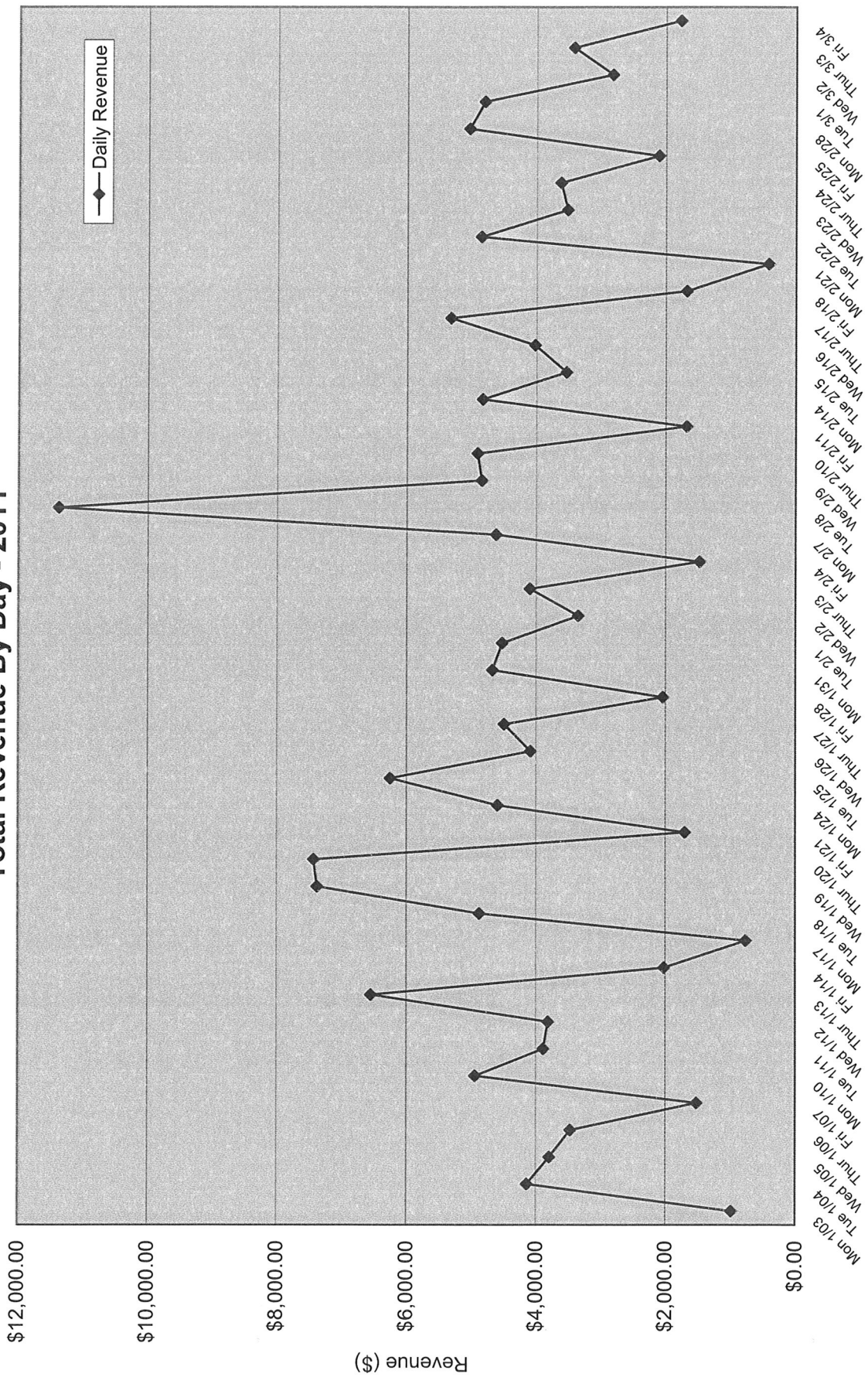


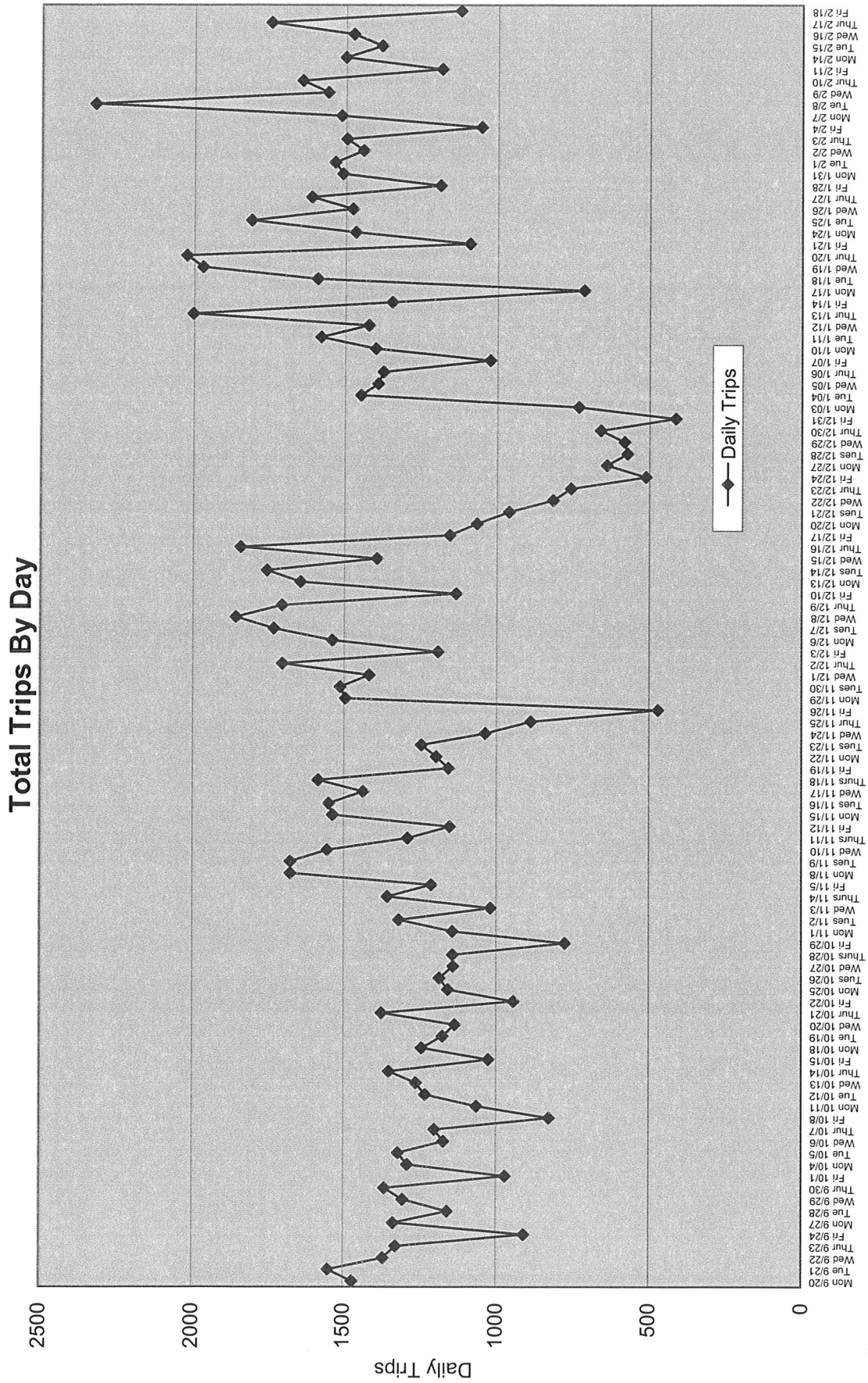
Cumulative Revenue by Week



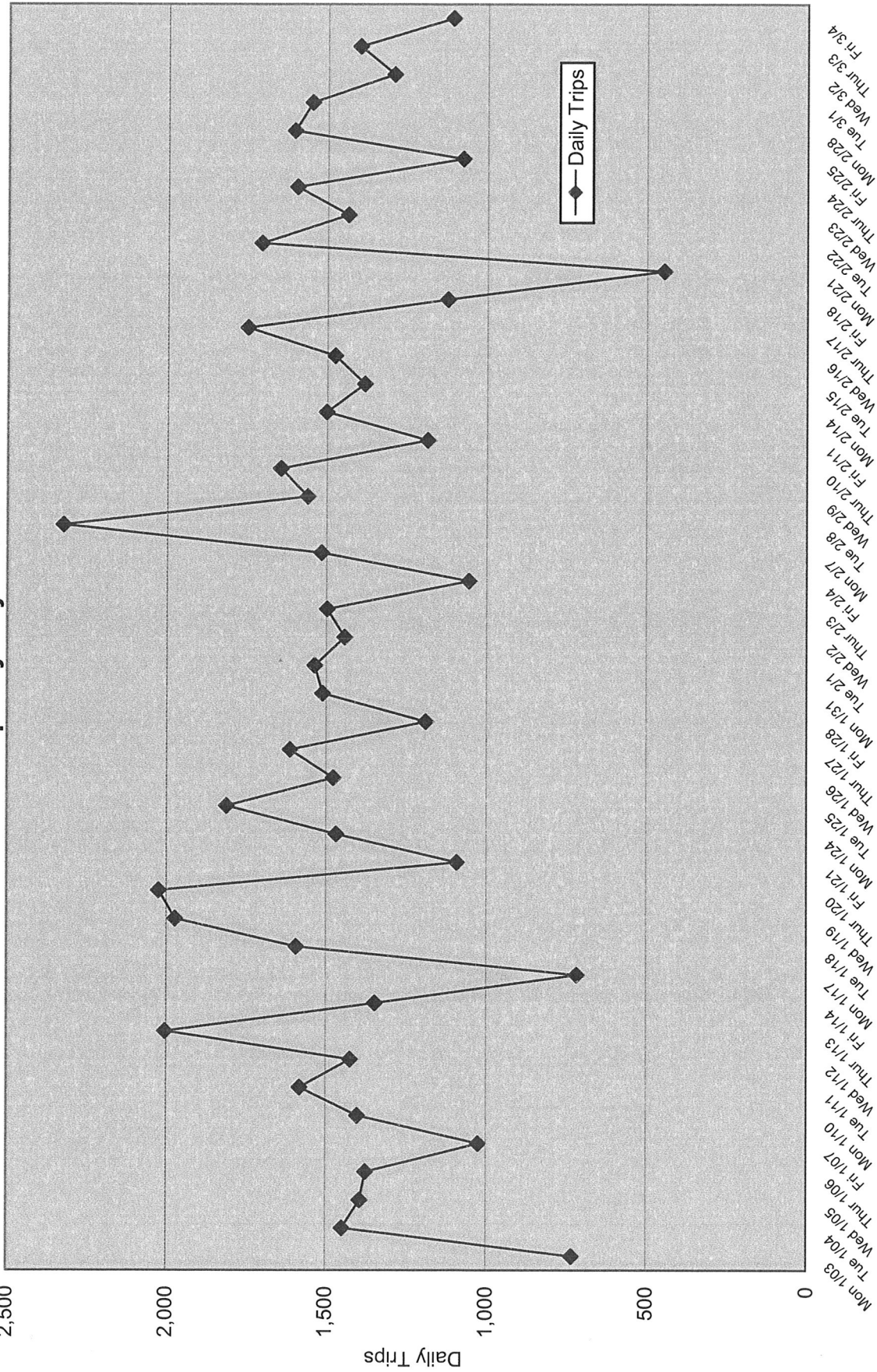


Total Revenue By Day - 2011





Total Trips By Day - 2011



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Memorandum

Date: March 7, 2011
To: I-680 Sunol Smart Carpool Lane Joint Powers Authority
From: Ray Akkawi, Manager of Project Delivery
Subject: Initiation of the I-680 Northbound High Occupancy Vehicle/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project

Recommendations:

At its meeting in February 2011, the Joint Powers Authority requested staff to explore ways to expedite the delivery of the I-680 Northbound High Occupancy Lane/High Occupancy Toll Lane (HOV/HOT or Express Lane) Project.

This is to inform the JPA that that staff is working with the Santa Clara Valley Transportation Authority (VTA), Caltrans, and the Metropolitan Transportation Commission (MTC) to restart the project development work for this project by:

- Reviewing the initial HOV project scope that was approved by Caltrans in 2005;
- Identifying a project phase or phases that could be developed and constructed in the most expedited fashion balancing congestion relief, toll revenue generation, safety and meeting design standards and funding constraints;
- Identifying an expedited project development process to re-start the project;
- Identifying current and future funding sources for all project components (preliminary engineering, design, right-of-way, utility relocation, construction capital, system integration and project management); and,
- Developing an expedited and realistic project schedule for project implementation.

It is expected a preliminary project delivery plan that would include initial project scope and schedule could be brought back to the JPA meeting in April.

Summary:

A project delivery plan for the I-680 Northbound HOV / Express Lane project is needed to define the scope, cost including funding sources, delivery options, and implementation schedule. The plan will discuss the delivery options, potential funding sources, and roles and responsibilities of partners.

Discussion:

The I-680 Corridor is a primary north-south transportation corridor between Alameda and Santa Clara Counties, which serves commuter, commercial, and recreation traffic. Previously the corridor was considered the second most congested corridor in the Bay area. Improvements to the southbound direction between Route 84 and Route 237; the interim HOV lane followed by the ultimate HOV / Express Lane project along with the slower economy reduced the congestion levels in southbound direction. There are three general purpose lanes, one HOV / Express Lane, truck climbing lane (where needed), and auxiliary lanes in the southbound direction.

The northbound direction has three general purpose lanes and a short truck climbing lane. Assuming NB traffic volumes similar to the southbound, the cross section of northbound direction then needs to have the same number of lanes as the southbound direction. Improvement plans for the northbound direction have been underway for a quiet sometime. As the environmental document for these improvements comes to conclusion in the very near future, a project delivery plan discussing the potential to bring congestion relief to the northbound is needed Caltrans has approved a project report to construct a northbound HOV lane from Route 237 to Route 84. The scope of the project includes the following features:

- Widening in the median and on the outside to provide for full standard facility that includes HOV / Express Lane with a 4 ft buffer;
- Five auxiliary lanes extending from Jacklin Road interchange to the I-680/Route 238 Separation.
- Ramp metering facilities at 14 northbound on-ramps
- Sound walls and retaining walls as deemed necessary

The cost of the capital improvements only is \$132.5 million in 2005 dollars. This estimate does not include the any soft cost or the conversion to Express Lane.

The approved report proposes to add an interim HOV lane into the northbound I-680 using a phased approach. The first phase will widen in the median from Jacklin Road to Washington Blvd, widen three structures and replace Sheridan Road overcrossing, and provide a northbound HOV lane with nonstandard inside shoulder.

The estimated capital cost of this phase is \$73.3 million in 2005 dollars. Future phases to bring the facility to full standards will cost around \$60 million.

Using this and other information staff is in the process of developing the project delivery plan. Caltrans and VTA, our partners will be involved in developing this plan.