

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

MEETING NOTICE

Monday, June 13, 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 Ramos

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 CONSENT CALENDAR

4.1 Minutes of May 9, 2011* – page 1

A

The Board is requested to approve the Minutes of May 9, 2011.

5.0 ADMINISTRATIVE MATTERS

5.1 2011/12 Express Lane Budget*- page 5

A

It is recommended the JPA Board approve the FY 2011/12 Express Lane operating budget.

5.2 Status of Amendment of the Sunol Smart Carpool Lane Joint Powers Agreement

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An update will be provided on the status of approval of amendments to the Joint Powers Agreement by the member agencies.

5.3 Authorization to Execute Cooperative Agreement with Caltrans*- page 9

A

It is 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.

6.0 HOV/ EXPRESS LANE PROJECT STATUS UPDATE

6.1 Express Lane Electronic Toll System (ETS) Contract Update*- page 10

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Attached for the Board’s review and information is 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 covers all activities through May 31, 2011.

6.2 HOV Widening Status Update*- page 13

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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 17

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Attached is a summary of operations of the I-680 Express Lane through the end of May.

A.4 Update on Enforcement Activities* - page 28

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Staff will review the enforcement activities for the Express Lane and present the results of a recent vehicle occupancy study that has been completed for the Corridor.

A.5 Recess Joint Meeting

7.0 ADJOURNMENT/ NEXT MEETING: JULY 11, 2011

Key: A- Action Item; I – Information Item

* 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



1333 Broadway, Suites 220 & 300

Oakland, CA 94612

PH: (510) 208-7400

www.AlamedaCTC.org



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

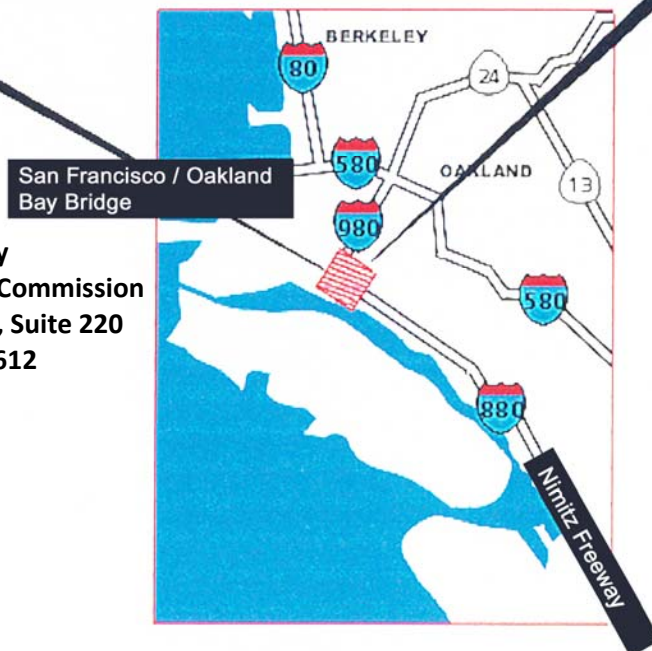
AC Transit:

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**



June 13, 2011
Agenda Item 4.1

**SUNOL SMART CARPOOL LANE
JOINT POWERS AUTHORITY
GOVERNING BOARD
MINUTES OF May 9, 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 alternate Biddle.

2.0 ROLL CALL

Parmelee conducted the roll call; 9:40 quorum not yet attained, meeting moved on to informational items only until enough members were present for a quorum. Supervisor Haggerty proceeded to Item 6.1, Caltrans HOV widening update. Quorum reached at 9:45

3.0 PUBLIC COMMENT

There was no public comment.

6.0 HOV/ EXPRESS LANE PROJECT STATUS UPDATE

6.1 HOV Widening Status Update - Emily-Landin Lowe presented a verbal update on roadway projects. 2 roadway contracts complete. The 3rd contract has resumed after winter suspension; presently conducting hydro modification required as part of permits. Ramp metering will be turned on in July; approved by the Pleasanton city council which had requested that Caltrans not turn on the Ramp metering until summer. Mitigation project should begin later this month, waiting on final SWPPP approval. Furger asked Lowe if all the cities in the corridor had brought into the Ramp Metering Plan, she said that Pleasanton had now agreed to the overall plan for the corridor. This item was presented for information only.

5.0 ADMINISTRATIVE MATTERS

5.2 Draft 2011/12 Express Lane Budget – Patricia Reavey recommended the JPA Board review and comment on the draft FY 2011/12 Express Lane operating budget. Two budget slides were also presented. The final budget is scheduled for adoption by the JPA at the June meeting. This item was presented for review and comment. Council Member Harrison asked what the JPA investment policy is and if the ACTIA investment policy was adopted by the JPA. Alameda County Transportation Commission is a Managing Agency; JPA funds are not invested at present. An investment plan will be discussed for anticipated future reserves. Furger discussed that automated enforcement system will generate revenue from lost toll revenue and fines. Dao suggested that the JPA present the Board with the revenue / expenditure analysis projection report that will show at what point the program will become self sustaining and revenue generating. Revenue projections indicate that this will happen in June 2012. Furger offered to do this analysis and add the report to next month's agenda and present at the June meeting. 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)

A.2 PAC Roll Call – Confirm PAC Quorum – a quorum was confirmed.

A.3 I-680 Express Lane Status Update - Furger gave a presentation of the 32 week summary of operations of the I-680 Express Lane through the end of April. Furger presented projected revenue and usage data. Supervisor Haggerty requested that "Trips by City" graph illustrating that Pleasanton is the city with the most users sent to Mayor Hosterman and the Pleasanton City Council. The Alameda CTC will draft a letter for Supervisor Haggerty's review and signature and send along with this information to the City of Pleasanton. Marketing to San Joaquin County was briefly discussed. Haggerty requested that next presentation Furger bring back the graph that shows "Number of Users" and "Toll by Hour" graph. Future I-580 corridor and Route 84 construction impact on I-680 southbound briefly discussed. This item was presented for information only.

A.4 Update on Enforcement Activities -Furger provided a presentation and update on enforcement activities in the Corridor and recommended next steps for a modified enforcement strategy in the Corridor utilizing automated enforcement strategy; camera technology / attendant monitoring. Furger recommended that the JPA take action to move forward with proposed automated enforcement strategy and that the Alameda CTC process a task order for the system integrator to proceed with the development of the implementation plan and the schedule for improvements. Furger addressed questions from the Board on the proposed enforcement strategy. Furger will present a report comparing both options to the board next month at Supervisor Haggerty's request. Green, Mc Hugh and Hosterman arrived, a JPA quorum was confirmed. A motion to move forward with the automated enforcement strategy made by Board member Green; a second by Kamena; the motion passed unanimously.

A.5 Recess Joint Meeting

Confirmed JPA Quorum

4.0 MINUTES OF MARCH 14, 2011

4.1 A motion was made by Green to approve the Minutes of April 11, 2011; a second was made by Harrison. The motion passed unanimously.

5.0 ADMINISTRATIVE MATTERS

5.1 Quarterly Financial Statement for I-680 JPA – Patricia Reavey requested the JPA to approve the Year-to-Date Operating Statement of Revenues and Expenditures of the Sunol SMART Carpool Lane for the period ended march 31, 2011. A motion to approve was made by Board member Green; a second by Harrison; the motion passed unanimously.

5.3 Authorization for Executive Director to Execute Funding Agreement with Alameda CTC - Patricia Reavey recommended that the JPA Board Authorize the Executive Director to execute an agreement with the Alameda CTC that will specify the expenditure and implementation plan for use of Measure B, state and federal grant funds that have been programmed to the I-680 Express Lane project. Dao will go to the Alameda CTC Board with this request in June. A motion to execute the funding agreement between the JPA and the Alameda CTC was made by Green and seconded by Harrison; the motion passed unanimously.

7.0 ADJOURNMENT/ NEXT MEETING: JUNE 13, 2011



1333 BROADWAY, SUITE 220, PHONE (510) 836-2560 . FAX (510) 836-2185

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

May 9, 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 <i>Don Biddle</i>	City of Dublin	
Vice Mayor Pete McHugh <i>Pete McHugh</i>	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	
<i>TRISH REAVEY</i>	<i>ACTC, DOF</i>	
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	
<i>Gladys V. Parnell</i>	<i>Alameda CTC</i>	

NAME	JURISDICTION/AGENCY	PHONE #	E-MAIL
1. Dawn Argyle	Alb. Co. BAS #1	925-551-6995	dawn.argyle@jaggs.org
2. Sean Houck	PB	(415) 243-4728	houckst@pbworld.com
3. Ramsay Hissou	URS	408-297-9585	ramsay.hissou@urscorp.com
4. Arun Goel	Alameda CTC	510-208-7404	agoel@alamedactc.org
5. James O'Brien	Alameda CTC Project Controls	510 208 7464	jobrien@alamedactc.org
6. Steve Chan	Milpitas	408 586-3324	schan@ci.milpitas.ca.gov
7. Scott Haywood	MTA	408-321-7544	scott.haywood@mta.org
8. Bob Vinn	Livermore	925 960 4816	bvinn@ci.livermore.ca.gov
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Memorandum**June 13, 2011
Agenda Item 5.1**

Date: June 3, 2011

To: **Sunol SMART Carpool Lane JPA**

From: Frank Furger, Executive Director
Patricia Reavey, Director of Finance

Subject: Fiscal Year 2011/12 Budget

Action

It is recommended the JPA Board approve the FY 2011/12 Express Lane operating budget.

Discussion

The I-680 Express Lane opened for operations on September 20, 2010. 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.

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. These costs are shown in attachment B for informational purposes only.

Key Budget Assumptions

- A cash balance of \$595,000 will be carried forward from FY 2010/11
- Toll revenue for FY 2011/12 is estimated at \$850,000 based on current growth trends in the usage of the Express Lane
- The budget includes a \$150,000 reserve for replacement of toll system equipment, software and hardware at the end of the projected useful lifecycle of the components. The reserve will also serve as an emergency contingency to address costs associated with unanticipated equipment failure or damage.
- The budget includes a \$100,000 reserve for future roadway rehabilitation. This reserve sets aside funding for the Express Lanes share for rehabilitation of the roadway at the end of the pavement lifecycle. The reserve will also serve as a contingency to address costs associated with unanticipated emergency roadway repairs that may be required.
- Approximately \$1.7 million in costs associated with the operations, maintenance and management of the facility will be funded with existing state/federal/local grant funds programmed to the Managing Agency (the Alameda County Transportation Commission).
- The operating reserves included in the budget could also be used to pay for the operations, maintenance and management costs and be reimbursed by the existing state/federal/local grants through the Alameda CTC. A funding and implementation agreement is being

developed between the Alameda CTC and the JPA to document the fund transfer arrangement between the respective agencies.

The FY 2011/12 budget projects a year-end fund balance of \$1,298,000 which includes \$500,000 of programmed reserves.

Attachments:

Attachment A - FY2011/12 Budget

Attachment B - Sunol Smart Carpool Lane FY2011/12 Operating Expenditures

SUNOL SMART CARPOOL LANE			
Fiscal Year 2011-12			
Budget			
			FY 11-12
			Proposed
			Budget
Beginning Fund Balance			\$ 595,000
<u>OPERATING REVENUES</u>			
	Toll Revenue		850,000
	Interest Income		3,000
	Total Operating Revenues		853,000
<u>OPERATING EXPENSES</u>			
	Express Lane Maintenance (Caltrans)		100,000
	Other Consultant Costs		50,000
	Total Operating Expenses		150,000
	Operating Surplus/(Deficit)		\$ 703,000
Ending Fund Balance			\$ 1,298,000
	Less Reserves:		
	Toll System/Software/Hardware Replacement		300,000
	Roadway Rehabilitation		200,000
	Total Reserves		500,000
	Ending Fund Balance net of Reserves		\$ 798,000

SUNOL SMART CARPOOL LANE				
OPERATING EXPENDITURES				
Fiscal Year 2011-12				
			Operating Expenditures by	
			--- Revenues Souce ---	
		Operating	ACCMA	Operating
		Expenditures	Capital Grants	Revenues
Operations & Maintenance Contract	\$	795,000	\$ 795,000	\$ -
CHP Enforcement		300,000	300,000	-
Executive Director Compensation		170,000	170,000	-
Project Controls/System Manager		110,000	110,000	-
Revenue Collection Fees		110,000	110,000	-
ACTC Staff		125,000	125,000	-
Express Lane Maintenance		100,000	-	100,000
Other Consultant Costs		50,000	-	50,000
Legal Fees		40,000	40,000	-
Insurance		30,000	30,000	-
Data Server Maintenance		12,000	12,000	-
Audit Fees		10,000	10,000	-
IT Support		10,000	10,000	-
Traffic Studies		10,000	10,000	-
Marketing/Public Outreach		10,000	10,000	-
Travel		10,000	10,000	-
Miscellaneous		3,000	3,000	-
Total Operating Expenditures	\$	1,895,000	\$ 1,745,000	\$ 150,000

Memorandum

June 13, 2011
Agenda Item 5.3

Date: **June 3, 2011**

To: **Sunol Smart Carpool Lane JPA**

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

Subject: **Authorization to Execute Cooperative Agreement with Caltrans**

Action Requested

It is recommended that the JPA authorize the Executive Director to execute an amendment to the existing Cooperative Agreement with Caltrans covering the funding and development of the I-680 project. This amendment will stipulate the terms for reimbursement of local funds that have been expended in the development of the Express Lane.

Discussion

Caltrans, the Alameda County Congestions Management Agency and the Sunol Smart Carpool Lane JPA (JPA) executed a cooperative agreement effective April 8, 2008 to define the terms and conditions for funding and development of the I-680 Improvements.

Since the Traffic Congestion Relief Program (TCRP) Funds that were programmed to the I-680 project were not available when needed for construction, the California Transportation Commission (CTC) approved a Letter of No Prejudice (LONP) request allowing local funds to be used for the I-680 project with reimbursement of TCRP funds at a later date.

At their May 2011 meeting, the CTC authorized reimbursement of \$10 million in local expenditures related to the I-680 project from the TCRP funds programmed to I-680. Caltrans has requested an amendment to the existing Cooperative Agreement prior to processing the reimbursement of the local funds that were expended.

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June 13, 2011
Agenda Item 6.1

Memorandum

Date: May 23, 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 May 31, 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
May 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 work out 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.

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

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June 13, 2011
Agenda Item 6.2

Memorandum

Date: June 2, 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 May 31, 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



1333 BROADWAY, SUITE 220, PHONE (510) 836-2560 . FAX (510) 836-2185

I-680 HOV/EXPRESS LANE PROJECT
Construction of Civil Elements
Status Report
For
May 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.

Memorandum

June 13, 2011
Agenda Item A.3

Date: **June 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 May 2011, totaling 36 weeks of operations.

I-680 Express Lane Summary Through Week 36

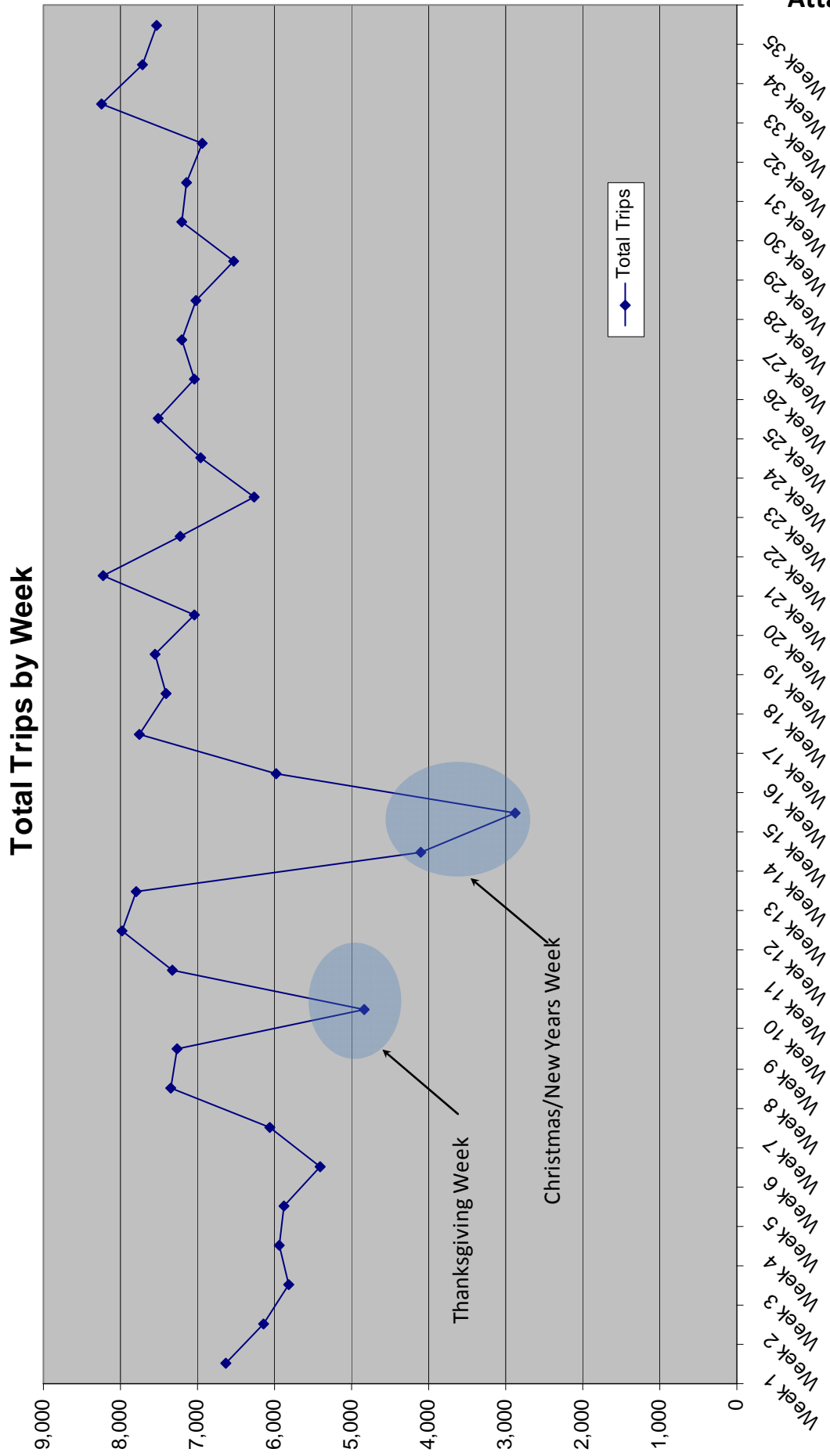
	Sept 20, 2010 - Week 36	Last Month	Week 36
Total Revenue	\$571,668.25	\$64,136.00	\$17,523.75
Average Daily Revenue	\$3,175.93	\$3,054.10	\$3,504.75
Highest Dail Revenue - February 8th	\$11,372.65		
Total Trips	243,147	28,893	7,311
Average Number of Trips Per Day	1,351	1,376	1,462
Highest Number of Trips Per Day - February 8th	2,324		
Average Toll	\$2.35	\$2.22	\$2.40
Min Toll	\$0.30	\$0.30	\$0.30
Max Toll	\$7.50	\$7.50	\$7.50
Average Peak Period Toll	\$2.96	\$2.70	\$2.85
Average Off-Peak Period Toll	\$0.48	\$0.43	\$0.45

Summary of Operations

- Total revenue continues to track consistent with the anticipated \$630,000 for the current fiscal year
- The facility continues to attract new users with an additional 5,000 new accounts using the facility in May. The facility has averaged over 4700 new users each of the last 4 months
- The facility has been averaging over 7300 trips per week over the last month
- Speeds through the Corridor have been consistently above 65 MPH in the Express Lane and between 40 MPH and 65 MPH in the general purpose lanes during the morning commute. (See attached Speed Profile Graphs)

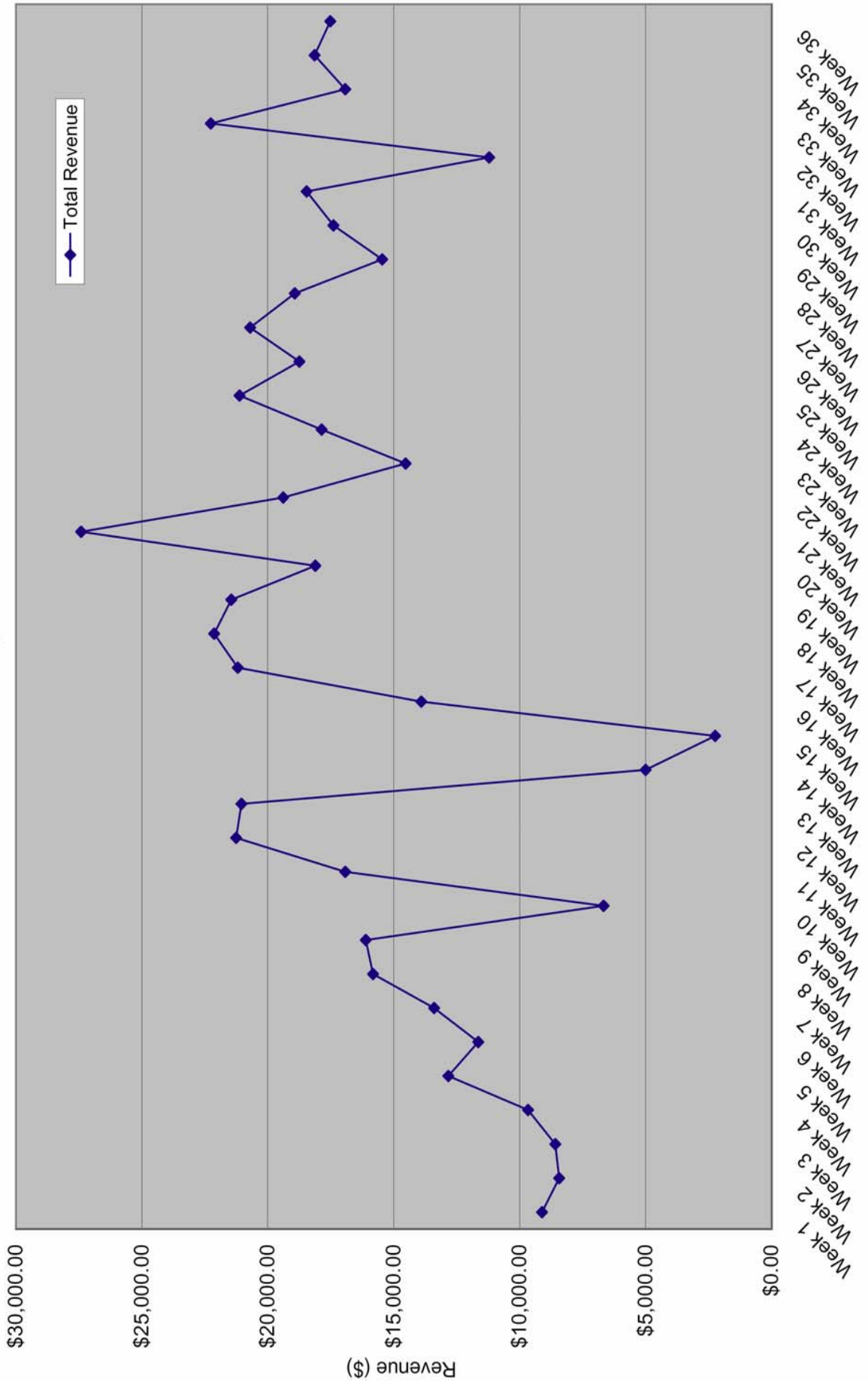
Attachments 1-9:

1. Total Trips by Week
2. Total Revenue by Week
3. Projected Cumulative Revenue by Week
4. Express Lane First Time Users by Month
5. Corridor Speed Profile – April 27, 2011
6. Corridor Speed Profile – May 4, 2011
7. Corridor Speed Profile – May 11, 2011
8. Corridor Speed Profile – May 18, 2011
9. Corridor Speed Profile – May 25, 2011



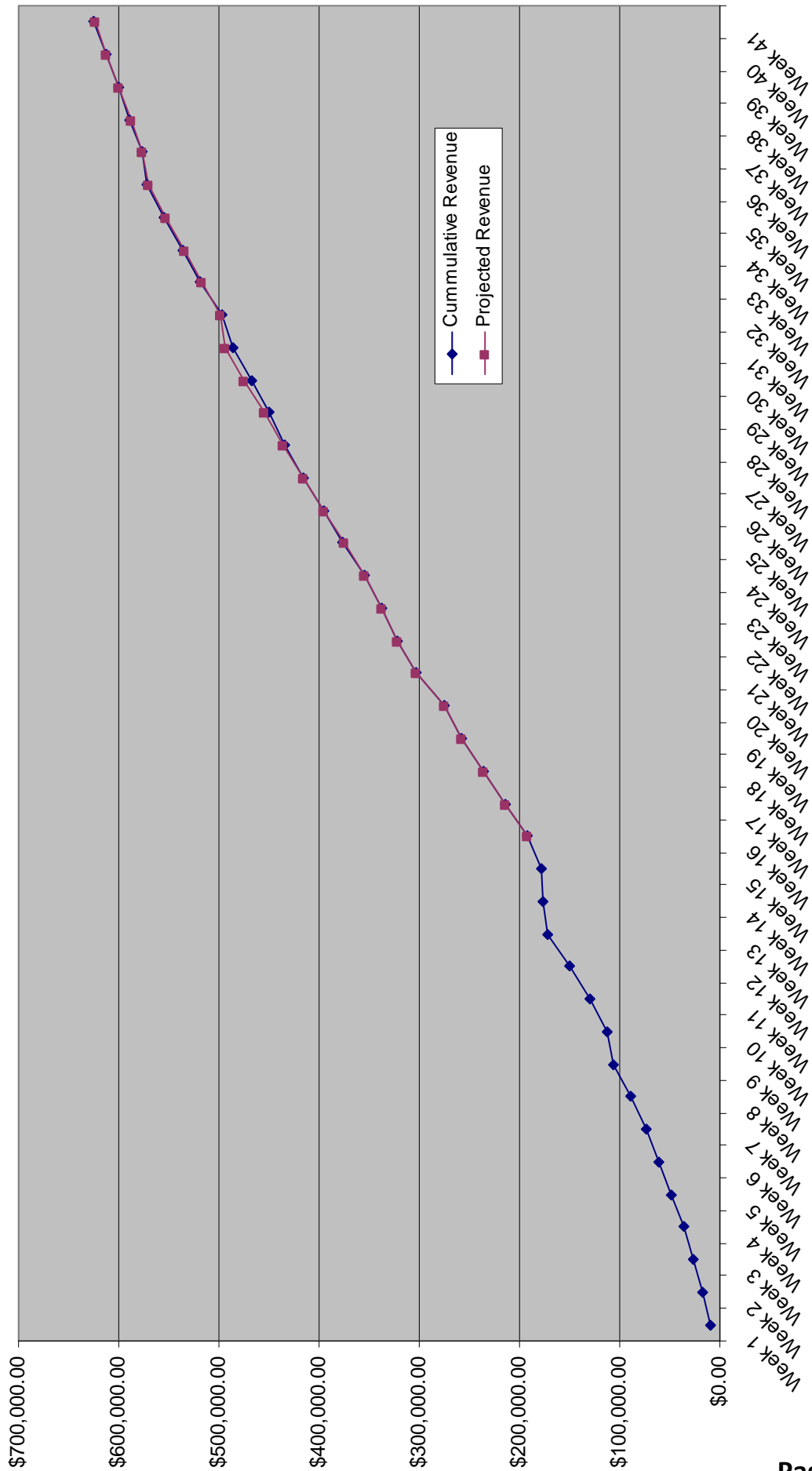


Total Revenue by Week

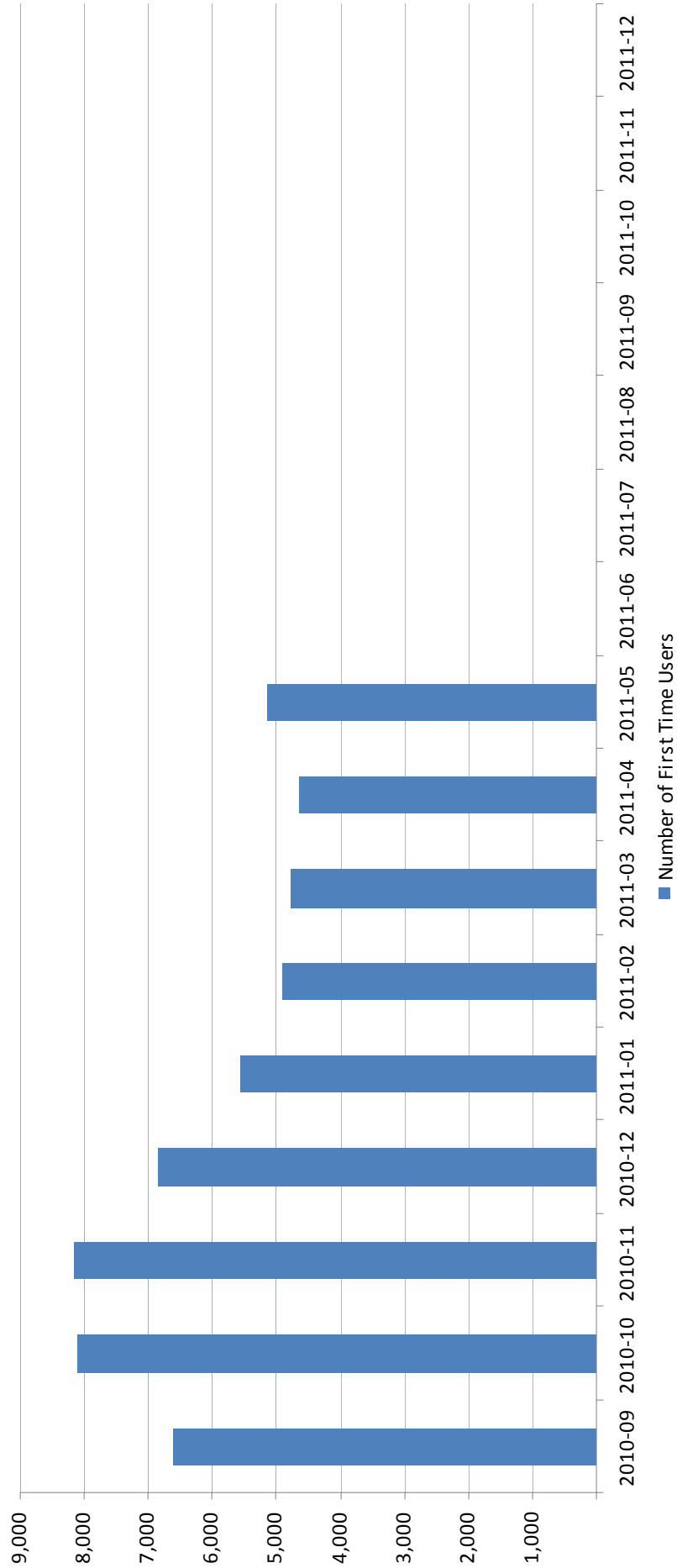




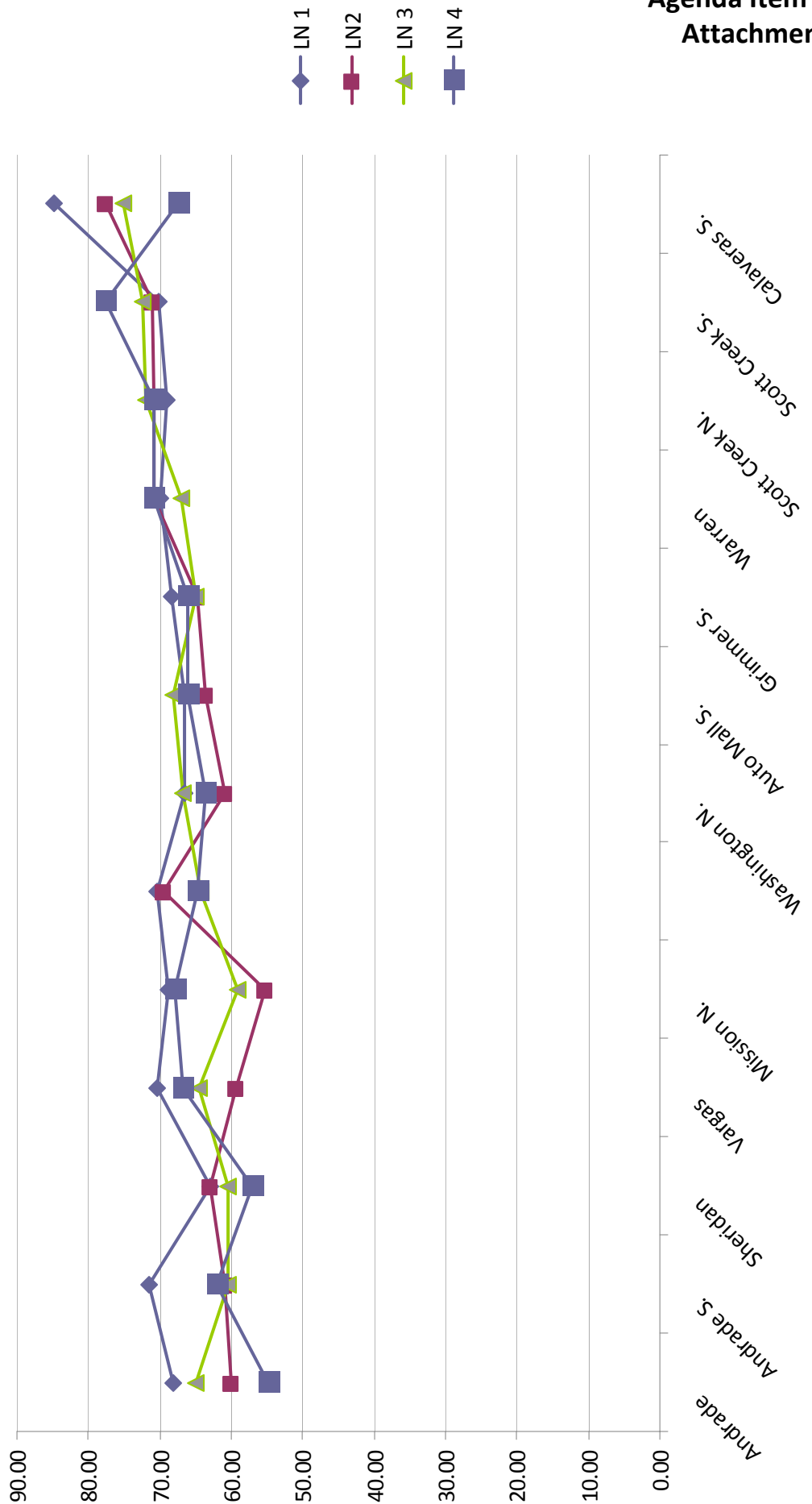
Cumulative Revenue by Week



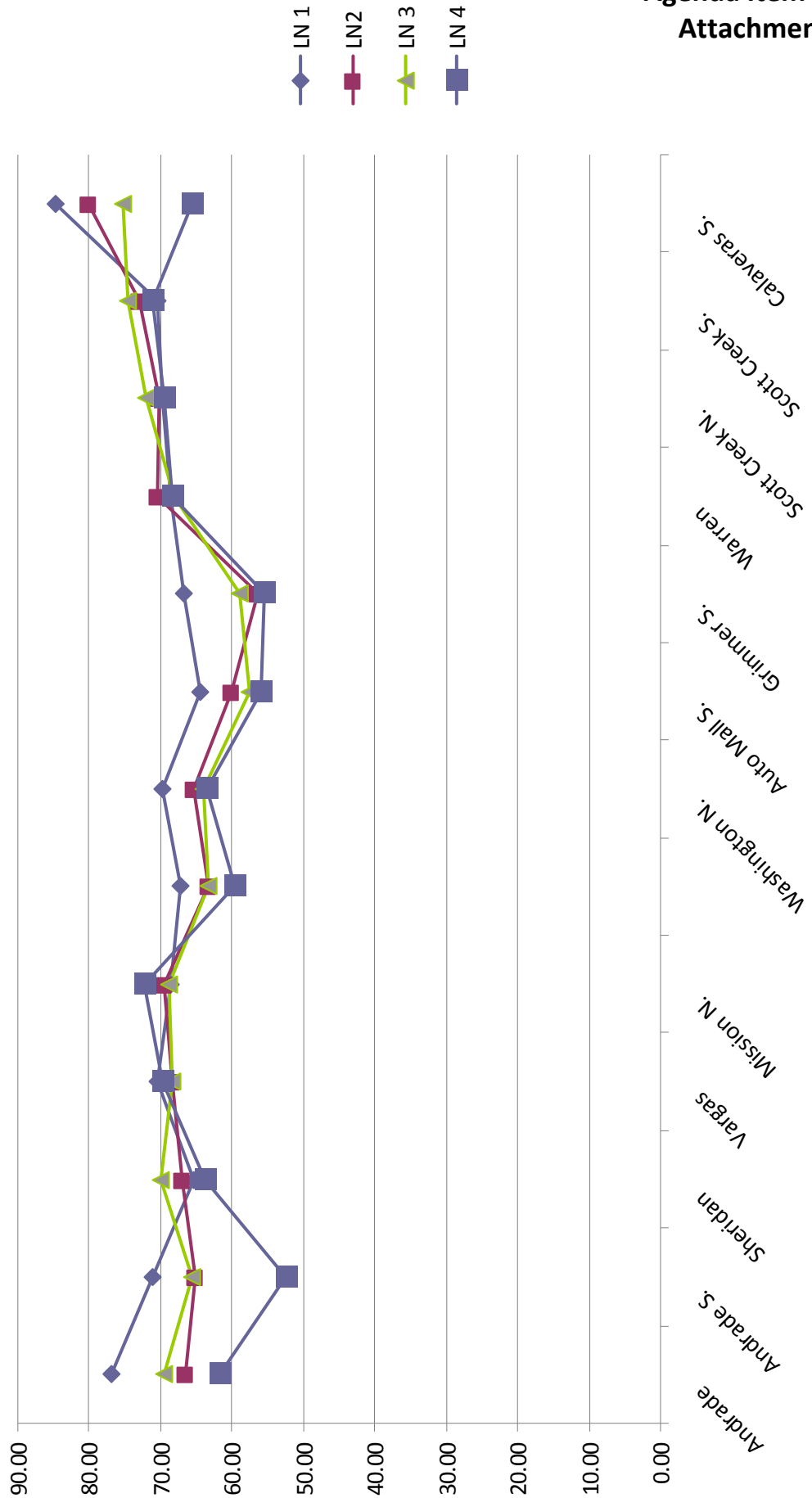
Express Lane First Time Users by Month



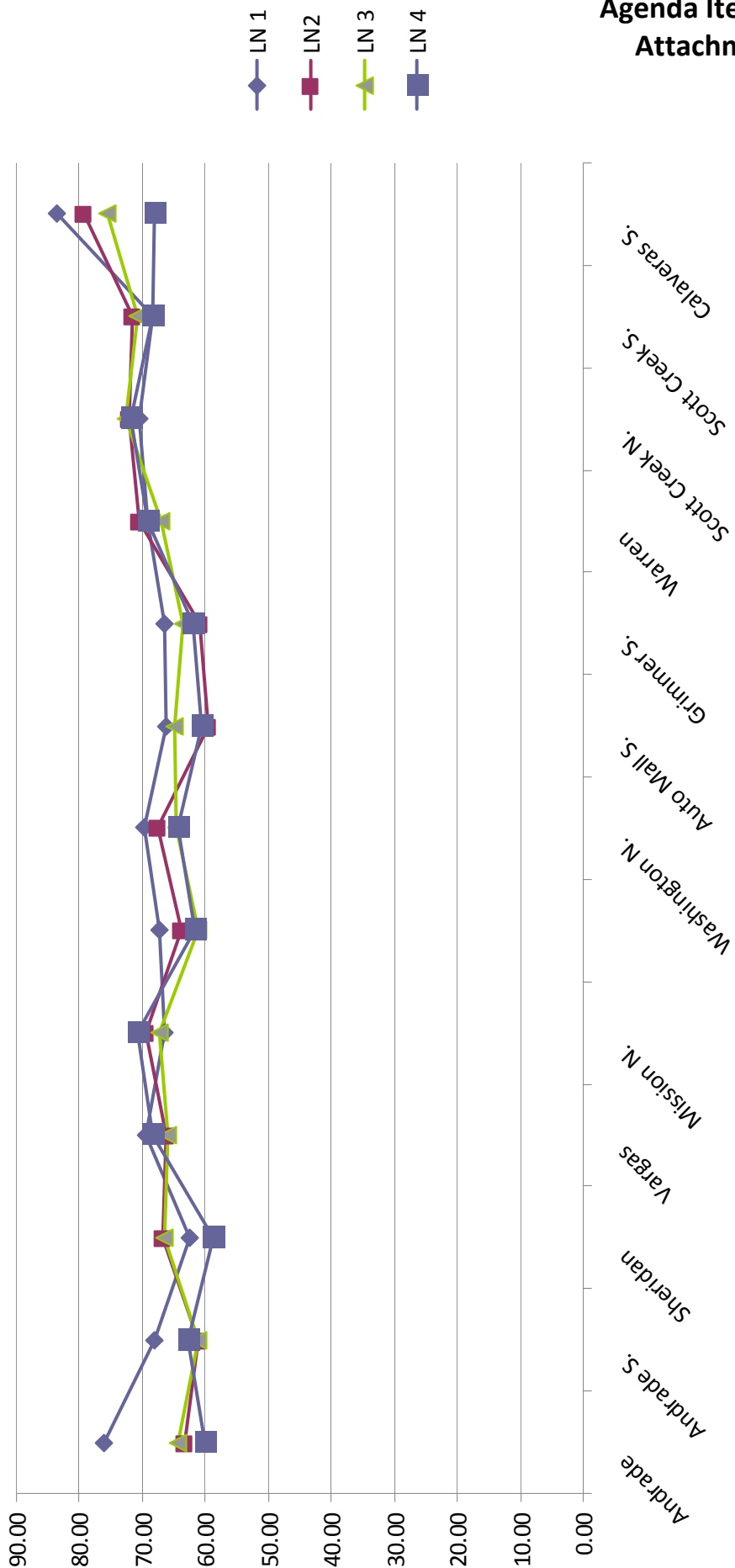
Speed Profile (8:00 AM - April 27, 2011)



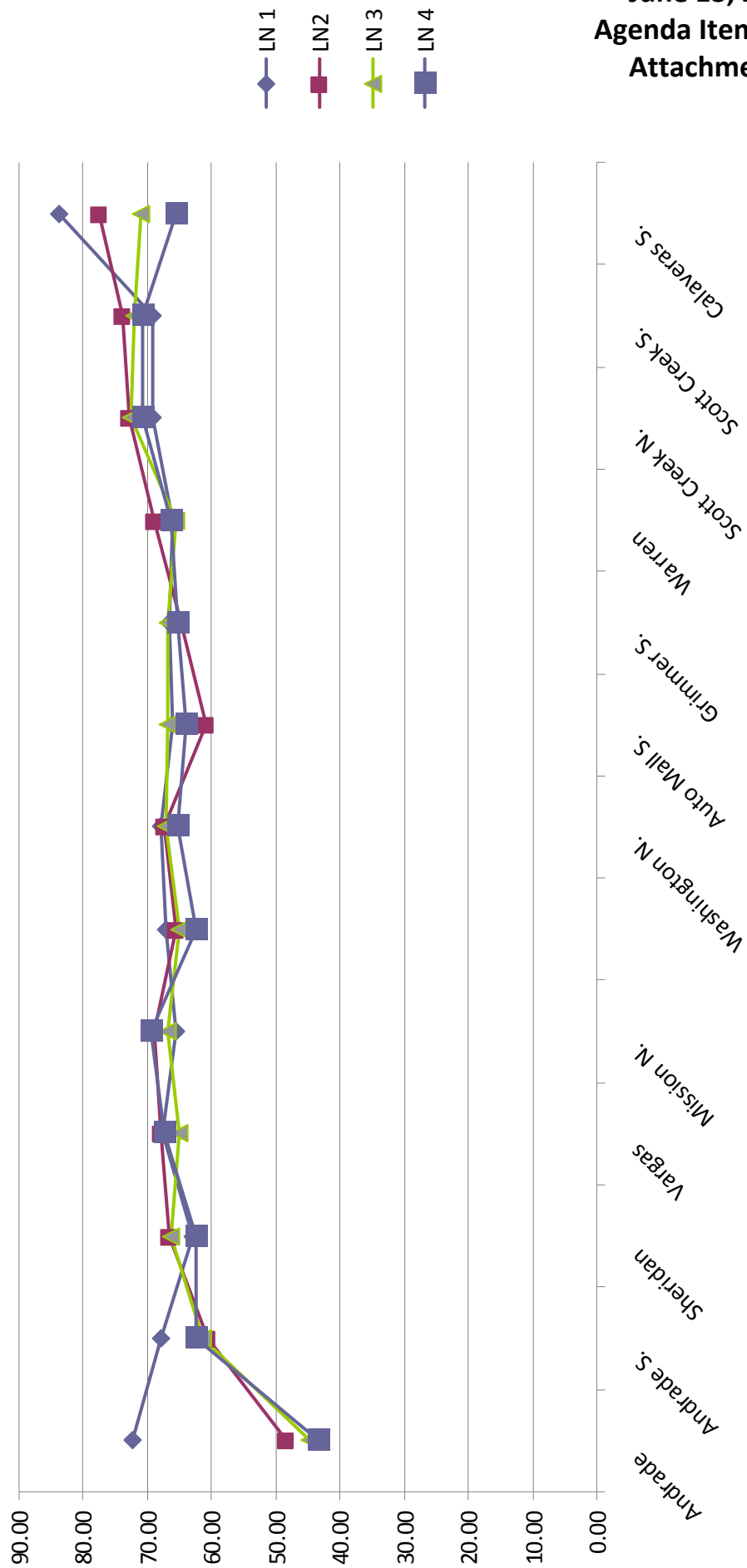
Speed Profile (8:00 AM - May 4, 2011)



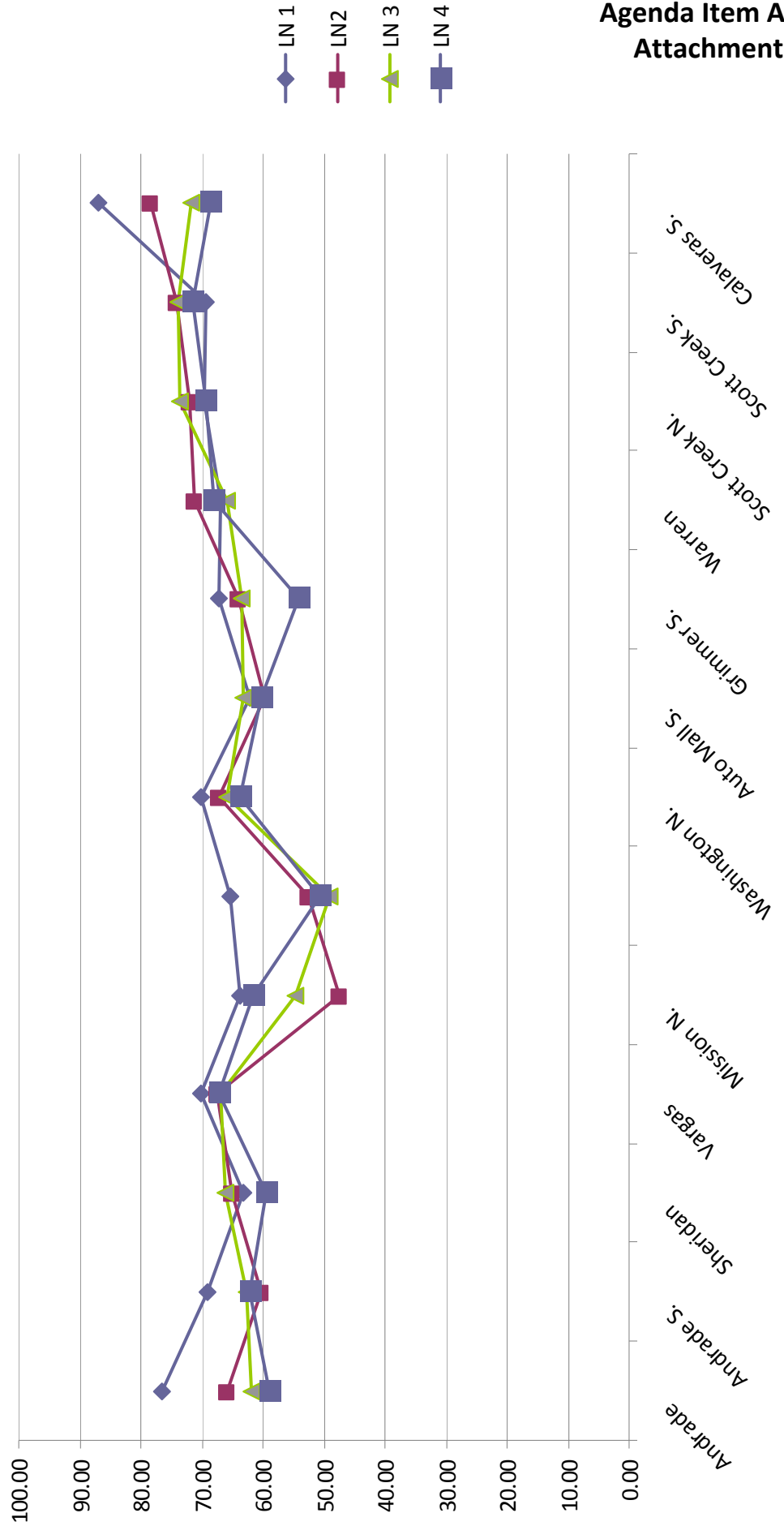
Speed Profile (8:00 AM - May 11, 2011)



Speed Profile (8:00 AM - May 18, 2011)



Speed Profile (8:00 AM - May 25, 2011)



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Memorandum

June 13, 2011
Agenda Item A.4

Date: **June 3, 2011**
To: **Sunol Smart Carpool Lane JPA**
From: **Frank R. Furger, Executive Director**
Subject: **Status of Enforcement Activities**

The following summarizes the current activities related to enforcement of the Express Lane facility:

Automated Enforcement Strategy

At the May meeting, staff reviewed a strategy with the JPA for automated enforcement for the Express Lane. The strategy involves placing cameras on the facility that will capture the license plate of vehicles passing through the toll zones. The cameras will supplement the CHP activities on the corridor determining occupancy and violations in the Express Lane.

The I-680 System Integrator has begun project 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.

CHP Enforcement Activities

In an effort to reduce the high violation rate on the Express Lane, the CHP has initiated a modified approach to enforcement on the Corridor. On May 31st, a total of eight officers were on enforcement duty between 6 am and 10 am (compared to the usual 3 – 4 officers per shift.) As a result of the increased CHP presence, a total of 34 citations were issued including 26 for HOV violations. A similar effort was employed the following day with six officers patrolling the corridor. The second day effort resulted in 21 total citations including 6 for HOV violations.

CHP will continue to employ this strategy of increased enforcement presence on random dates 2 to 3 times per month.

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