

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
12	PROTOCOL TYPE	Integer	1	Values: 0 – Title 21; 1 – 6C, 2- SeGo, 3-TDM
13	VEHICLE TYPE	Integer	1	Values: 0 – NA (default); 1 - Clean Air Vehicle)
14	WR TRAN FEE	Money	8	Fee amount charged for the fee types below.
15	WR FEE TYPE	Integer	1	0 – N/A; 1 – HOV Only misuse; 2 – Occupancy declaration mismatch
16	GUARANTEE	Integer	1	0 = default, (for agencies other than the WR Hub) 1 = Guaranteed NIOP transaction per NIOP Business Rules 2= Not a Guaranteed NIOP transaction per NIOP business rules

5.4.3. Toll Charges Trailer Record Format

Table 8 Toll charges trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
4	DETAIL COUNT	Integer	6	Number of detail records
5	DETAIL AMT	Money	10	Total amount of all transactions in file

5.4.4. Toll Charges Sample File

```
#HEADER,TOLL,000123,06/23/1997,SR,TC,1997-06-24T10:02:19-8:00, REVA 2.0
081000FA,0000403986,00000.25, , ,1997-06-23T12:14:50-8:00, Some
Bridge,03,02,0,0,0,00000.00,0,0
0810012C,0004279389,00001.00,1997-06-22T19:09:20-8:00, Some On Ramp,03,1997-06-22T19:09:25-8:00, Some Off
Ramp,03,02,0,0,0,00000.00,0,0
0810012E,0004310216,00001.00,1997-06-23T14:43:09-8:00, Some On Ramp,03,1997-06-23T14:43:12-8:00, Some Off
Ramp,02,02,3,0,1,00010.00,2,0
06B00000011,0004821234,00001.00,1997-06-23T24:23:12-8:00, Some On Ramp ,03,1997-06-23T24:24:22-8:00, , Some Off
Ramp,02,02,3,1,1,00000.00,0,0
#TRAILER,000123,06/23/1997,000004,0000003.25
```

Note: The different trips in the Toll Charges Sample File show both Barrier and Distance trip types that agencies may include in their Toll Charges Files. The Plazas shown in the file are fictitious. The different types of transactions are referenced in the Business Rules Section (see Section 4.4.3.4).

5.5. Reconciled Toll Charges File

For related business rules see Sections 4.4.1 and 4.4.3.

5.5.1. Reconciled Toll Charges Header Record Format

Technical Specification for Interagency Electronic Data Interchange

Table 9 Reconciled toll charges header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	9	Indicates this is a reconciled toll charges file (RECONCILE)
3	SEQUENCE #	Integer	6	Sequence # from the originating toll charges file, duplicated in trailer record
4	BUSINESS DAY	Date	10	Business day (YYYY-MM-DD)
5	SOURCE	Char	2	Two letter code of source entity
6	DESTINATION	Char	2	Two letter code of destination entity
7	CREATE DATE	Date	25	Transmission file create date/time
8	VERSION	Char	10	"REV A2.0", right justified, space filled to the left.

5.5.2. Reconciled Toll Charges Detail Record Format

Table 10 Reconciled toll charges detail record format

Field #	Field Name	Field Type	Length	Notes
1	TAG ID	Hex	10	Same as what is in the Toll Charges File
2	TRAN #	Integer	10	Same as what is in the Toll Charges File
3	TRAN AMOUNT	Money	8	Same as what is in the Toll Charges File
4	ENTRY TRAN DATE	Date/Time	25	Same as what is in the Toll Charges File
5	ENTRY PLAZA	Char	30	Same as what is in the Toll Charges File
6	ENTRY	Integer	2	Same as what is in the Toll Charges File
7	EXIT TRAN DATE	Date/Time	25	Same as what is in the Toll Charges File
8	EXIT PLAZA	Char	22	Same as what is in the Toll Charges File
9	EXIT LANE	Integer	2	Same as what is in the Toll Charges File
10	AXLE COUNT	Integer	2	Same as what is in the Toll Charges File
11	OCCUPANCY	Integer	1	Same as what is in the Toll Charges File
12	PROTOCOL TYPE	Integer	1	Same as what is in the Toll Charges File
13	WR TRAN FEE	Money	8	Same as what is in the Toll Charges File
14	WR FEE TYPE	Integer	1	Same as what is in the Toll Charges File
15	POST AMT	Money	8	Amount Posted by Home Agency
16	RESPONSE CODE	Alpha	1	See Table 2 in Section 4, Business Rules
17	NIOP Fee	Money	8	FOR WR HUB Use only – Amount of NIOP Fee calculated for NIOP transactions.

5.5.3. Reconciled Toll Charges Trailer Record Format

Table 11 Reconciled toll charges trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
4	DETAIL COUNT	Integer	6	Total count of all detail records
5	DETAIL AMOUNT	Money	10	Total amount of all detail records

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
6	ACCEPTED CNT	Integer	6	Count of accepted detail records
7	ACCEPTED AMT	Money	10	Total amount of accepted detail records

5.5.4. Reconciled Toll Charges Sample File

```
#HEADER,RECONCILE,000123,06/24/1997,TC,SR,1997-06-25T11:02:19-8:00, REV A2.0
081000FA,0000403986,00000.25, , ,1997-06-23T12:14:50-8:00, Some Bridge,03,02,0,0,
00000.00,0,00000.00,1,00000.00
0810012C,0004279389,00001.00, 1997-06-22T19:09:20-8:00, Some On Ramp,03,1997-06-22T19:09:25-8:00, Some Off
Ramp,03,02,0,0, 00000.00,0,00001.00,A,00000.00
0810012E,0004310216,00001.00, 1997-06-23T24:23:12-8:00, Some On Ramp ,03,1997-06-23T24:24:22-8:00, , Some Off
Ramp,02,02,0,3, 00010.00,2,00011.00,A,00000.00
6B00000011,0004821234,00001.00, 1997-06-23T24:23:12-8:00, Some On Ramp ,03,1997-06-23T24:24:22-8:00, , Some
Off Ramp,02,02,3,1, 00000.00,0,00001.00,A
#TRAILER,000123,06/24/1997,000004,0000013.25,000003,0000013.00
```

5.6. Tag Status File

For related business rules, see Section 4.2.

5.6.1. Tag Status Header Record Format

Table 12 Tag status header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	4	Indicates this is a tag status file (TAGS)
3	ACTION CODE	Alpha	4	Update code: INIT – means an initial load (always)
4	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
5	BUSINESS DAY	Date	10	Business Day (YYYY/MM/DD)
6	SOURCE	Alpha	2	Two letter code of source entity
7	DESTINATION	Alpha	2	Two letter code of destination entity
8	CREATE DATE	Date/Time	25	Transmission file create date/time
9	VERSION	Char	10	“REV A2.0”, right justified, space filled to the left.

5.6.2. Tag Status Detail Record Format

Table 13 Tag status detail record format

Field #	Field Name	Field Type	Length	Notes
1	TAG ID	Hex	10	Tag ID in hex format, right justified, space filled to the left. The first two characters will be blank for Title-21 tags. The first three characters will be the Agency Code for 6C tags. Two character Agency Codes will include a leading zero.
2	ACCOUNT ID	Integer	10	Unique Identifier for Account to which the tag is assigned, right justified, space filled to the left.
3	ACTION CODE	Alpha	1	A – Add tag as valid (all “A” for INIT load)
4	TAG TYPE	Alpha	1	Tag Type: N – Non-revenue (universal to all entities) V – Valid I – Invalid

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
5	SUBTYPE - A	Alpha	1	First info field: H – Switchable HOV tag. N – No information See Appendix C for subtypes used by local agencies for regional use. Home Agencies must include this indicator in tag status file. Receiving agency may use this info at their discretion.
6	SUBTYPE - B	Alpha	1	Second info field N – No information C – Clean Air Vehicle M- Motorcycle tag. X – TBD Y – TBD Z - TBD See Appendix C for subtypes used by local agencies for regional use
7	SUBTYPE - C	Alpha	1	Third info field N – No information See Appendix C for subtypes used by local agencies for regional use
8	PROTOCOL TYPE	Integer	1	Tag Protocol Type (Values 0 – Title 21; 1 – 6C)

5.6.3. Tag Status Trailer Record Format

Table 14 Tag status trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
4	DETAIL COUNT	Integer	8	Total count of all detail records

5.6.4. Tag Status Sample File

```
#HEADER,TAGS,INIT,000123,06/23/1997,SR,TC,1997-06-23T10:02:19-8:00, REV A2.0
081000FA, 2010000,A,N,N,N,N,0
0810012C, 2010001,A,V,N,N,N,0
0810012D, 2010002,A,I,N,N,N,0
6B00000011, 2010003,A,V,N,C,N,1
#TRAILER,000123,06/23/1997,00000004
```

5.7. Pay by Plate File

For related business rules, see Sections 4.4.2, 4.4.3, 4.4.4 and 4.4.5.

5.7.1. Pay by Plate Header Record Format

Table 15 Pay by plate header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	10	Indicates this is a Pay by Plate file (PAYBYPLATE)
3	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
4	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
5	SOURCE	Alpha	2	Two letter code of source entity
6	DESTINATION	Alpha	2	Two letter code of destination entity
7	CREATE DATE	Date/Time	25	Transmission file create date/time
8	VERSION	Alpha	10	"REV A2.0", right justified, space filled to the left.

5.7.2. Pay by Plate Detail Record Format

Table 16 Pay by Plate detail record format

Field #	Field Name	Field Type	Length	Notes
1	LICENSE PLATE	Char	10	License plate of patron (left justified with trailing spaces)
2	TRAN #	Integer	10	Transaction #
3	STATE	Alpha	2	State code
4	TRAN AMT	Money	8	Toll charged for the transaction (do not include WR TRAN FEE)
5	ENTRY TRAN DATE	Date/Time	25	Transaction date/time – Entry Space filled if Type A
6	ENTRY PLAZA	Char	22	Entry Plaza in plain text – Space filled if Type A
7	ENTRY LANE	Integer	2	Lane identifier – Entry Space filled if Type A
8	EXIT TRAN DATE	Date/time	25	Transaction date/time – Exit
9	EXIT PLAZA	Char	22	Exit Plaza in plain text
10	EXIT LANE	Integer	2	Lane identifier – Exit
11	AXLE COUNT	Integer	2	Axle Count
12	VEHICLE TYPE	Integer	1	Vehicle – (Values 0 – NA (default); 1 - Clean Air Vehicle, 2, 3, 4, - reserved for future use)
13	LP TYPE	Char	30	License Plate Type. Must be included if the LP Status File contained a LP Type for that plate. If no LP Type included, then default to blank.
14	WR TRAN FEE	Money	8	Fee amount charged for the fee types below.
15	WR FEE TYPE	Integer	1	0 – N/A; 1 – HOV Only violation; 2 – Occupancy declaration mismatch
16	GUARANTEE	Integer	1	0 = default, (for agencies other than the WR Hub) 1 = Guaranteed NIOP transaction per NIOP Business Rules 2= Not a Guaranteed NIOP transaction per NIOP business rules

5.7.3. Pay by Plate Trailer Record Format

Technical Specification for Interagency Electronic Data Interchange

Table 17 Pay by Plate trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
4	DETAIL COUNT	Integer	6	Total count of all detail records
5	DETAIL AMOUNT	Money	10	Total amount of detail records

5.7.4. Pay by Plate Sample File

```
#HEADER,PAYBYPLATE,000123,06/23/1997,TC,SR,1997-06-23T10:02:19-8:00, REV A2.0
1ABC234 ,0000403986,CA,00000.25, , ,1997-06-23T12:14:50-8:00, Some Bridge,02,02,0,
Some LP Type,00000.00,0,0
#TRAILER,000123,06/23/1997,000001,0000000.25
```

5.8. License Plate Status File

For related business rules, see Section 4.3.

5.8.1. Plate Status Header Record Format

Table 18 Plate status header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	6	Indicates this is a patron plate update file (PLATES)
3	UPDATE CODE	Alpha	4	Update code: INIT – means and initial load (Always)
4	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
5	SOURCE	Alpha	2	Two letter code of source entity
6	DESTINATION	Alpha	2	Two letter code of destination entity
7	CREATE DATE	Date/Time	25	Transmission file create date/time
8	VERSION	Alpha	10	“REV A2.0”, right justified, space filled to the left.

5.8.2. Plate Status Detail Record Format

Table 19 Plate status detail record format

Field #	Field Name	Field Type	Length	Notes
1	ACCOUNT ID	Integer	10	Unique Identifier for Account to which the plate is assigned, right justified, space filled to the left
2	LICENSE PLATE	Char	10	License plate of patron (left justified, space filled to right). Format conforming to DMV Parking Manual
3	STATE	Alpha	2	License state of patron or other indication of jurisdiction
4	ACTION CODE	Alpha	1	A – Plate Active at the time of this File for the effective date range specified. (INIT file will only have A Records)
5	EFFECTIVE START DATE	Date	10	Effective start date of this plate
6	EFFECTIVE END DATE	Date	10	Effective end date of this plate (blank if this plate is still valid)

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
7	PLATE TYPE	Alpha	1	N – Plate assigned to Universal Non-revenue account (universal to all entities) R – Plate assigned to Revenue Account
8	SUBTYPE	Alpha	1	N – No information C – Clean air vehicle M- Motorcycle X – TBD Y – TBD
9	LP TYPE	Alpha	30	License Plate Type. See Business Rules below If no LP Type included, then default to blank.
10	PLATE ID	Integer	10	A unique ID for each entry in the License Plate Status File to allow for quick updates to license plate records.

5.8.3. Plate Status Trailer Record Format

Table 20 Plate status trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
4	DETAIL COUNT	Integer	8	Total count of all detail records

5.8.4. Plate Status Sample File

```
#HEADER,PLATES,DIFF,000123,SR,TC,1997-06-23T10:02:19-8:00, REV A2.0
11317432,1ABC234 ,CA,A,04/22/2016, ,R,N, , Some LP Type, 000123
11317334,1ABC236 ,CA,D,04/16/2000,04/22/2016,R,C, , 000124
#TRAILER,000123,0/23/2016,00000002
```

5.9. Reconciled Pay by Plate File

For related business rules, see Sections 4.4.2, 4.4.3, 4.4.4 and 4.4.5.

5.9.1. Reconciled Pay by Plate Header Record Format

Table 21 Reconciled Pay by Plate header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	10	Indicates this is a Pay by Plate reconciliation file (PLATERECON)
3	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
4	BUSINESS DAY	Date	10	Business day (YYYY/MM/DD)
5	SOURCE	Alpha	2	Two letter code of source entity
6	DESTINATION	Alpha	2	Two letter code of destination entity
7	CREATE DATE	Date/Time	25	Transmission file create date/time
9	VERSION	Alpha	10	"REV A2.0", right justified, space filled to the left.

Technical Specification for Interagency Electronic Data Interchange

5.9.2. Reconciled Pay by Plate Detail Record Format

Table 22 Reconciled Pay by Plate detail record format

Field #	Field Name	Field Type	Length	Notes
1	LICENSE PLATE	Char	10	Same as PBP Plate Transaction File
2	TRAN #	Integer	10	Same as PBP Plate Transaction File
3	STATE	Alpha	2	Same as PBP Plate Transaction File
4	TRAN AMT	Money	8	Same as PBP Plate Transaction File
5	ENTRY TRAN DATE	Date/Time	25	Same as PBP Plate Transaction File
6	ENTRY PLAZA	Char	22	Same as PBP Plate Transaction File
7	ENTRY LANE	Integer	2	Same as PBP Plate Transaction File
8	EXIT TRAN DATE	Date/Time	25	Same as PBP Plate Transaction File
9	EXIT PLAZA	Char	22	Same as PBP Plate Transaction File
10	EXIT LANE	Integer	2	Same as PBP Plate Transaction File
11	AXLE COUNT	Integer	2	Same as PBP Plate Transaction File
12	LP TYPE	Char	30	Same as PBP Plate Transaction File
13	WR TRAN FEE	Money	8	Same as PBP Plate Transaction File
14	WR FEE TYPE	Integer	1	Same as PBP Plate Transaction File
15	POST AMT	Money	8	Amount Posted by the Home Agency including WR
16	RESPONSE CODE	Alpha	1	See Table 2 in Section 4 Business Rules
17	NIOP FEE	Money	8	For WR Hub use only – Amount of NIOP Fee calculated for NIOP transactions.

5.9.3. Reconciled Pay by Plate Trailer Record Format

Table 23 Reconcile Pay by Plate trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DAY	Date	10	Business day
4	DETAIL COUNT	Integer	6	Total count of all detail records
5	DETAIL AMOUNT	Money	10	Total amount of all detail records
6	ACCEPTED CNT	Integer	6	Total count of all accepted detail records
7	ACCEPTED AMT	Money	10	Total amount of all accepted detail records

5.9.4. Reconciled Pay by Plate Sample File

#HEADER,PLATERECON,000123,06/24/1997,SR,TC,1997-06-23T10:02:19-8:00, REV A2.0
 1ABC234 ,0000403986,CA,00000.25, , ,1997-06-23T12:14:50-8:00, Some Bridge,02,02,
 Some LP Type,00000.00,0,00000.25,A,00000.00
 #TRAILER,000123,06/24/1997,000001,0000000.25

5.10. Correction File

For related business rules, see Section 4.5.

Technical Specification for Interagency Electronic Data Interchange

5.10.1. Correction File Header Record Format

Table 24 Correction file header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	4	Indicates this is a correction file (CORR)
3	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
4	BUSINESS DAY	Date	10	Business day
5	SOURCE	Alpha	2	Two letter code of source entity
6	DESTINATION	Alpha	2	Two letter code of destination entity
7	CREATE DATE	Date/time	25	Transmission file create date/time
8	VERSION	Alpha	10	"REV A2.0", right justified, space filled to the left.

5.10.2. Toll Charges Correction Detail Record Format

Table 25 Toll charges correction detail record format

Field #	Field Name	Field Type	Length	Notes
1	CORRECTION DATE	Date/time	25	The date the Away Agency made the adjustment. Required for adjustments. Blank if resubmittal.
2	CORRECTION REASON	Alpha	1	The reason for the correction. Values: C – Class (axle count) adjusted. Apply toll/axle count from this record. I – Ignore original transaction. Back out original transaction (full credit to account). L – Location information corrected. Apply toll/location from this record. T – Toll adjusted. Apply toll from this record. O – Other adjustment/correction. Apply fields from this record. For adjustments requiring that the original transaction be backed out, an "I" must be sent by the Away Agency before a "C", "L", "T" or "O". Blank if transaction is a resubmission of a transaction (not an adjustment).
3	RESUBMIT REASON	Alpha	1	The reason for the resubmitting the transaction or correction: R – Resubmittal of a transaction or adjustment previously rejected with a RECON CODE of F or L. I – Resubmittal of a transaction or adjustment rejected with RECON CODE of I. I can only be resubmitted for internal WR transactions Blank if the transaction is not a resubmittal.
4	CORRECTION COUNT	Integer	3	An incrementing sequence number for each different adjustment of a Transaction identified by its specific Transaction #. Values: 0 – 999
5	RESUBMIT COUNT	Integer	3	An incrementing sequence number for each time a transaction or adjustment is resubmitted. This should be

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
				zero the first time an adjustment is submitted. Values: 0 – 999
6	HOME AGENCY SEQUENCE #	Integer	6	Sequence # provided by the Home Agency within the Reconciliation File for either the original transaction or the most recent adjustment/correction.
7	ORIGINAL TAG ID	Hex	10	Tag ID in hex format, right justified, space filled to the left. The first three characters will be blank for Title-21 tags. The first three characters will be the Agency Code for 6C tags. Leave blank for plate transaction.
8	ORIGINAL LICENSE PLATE	Alphanumeric	10	License plate of patron (left justified with trailing spaces). Leave blank for tag transaction.
9	ORIGINAL STATE	Alpha	2	Original State code. Leave blank for tag transaction.
10	ORIGINAL TRAN #	Integer	10	Original transaction # generated by sending agency
11	ORIGINAL TRAN AMOUNT	Money	8	Original amount charged for transaction
12	ORIGINAL ENTRY TRAN DATE	Date/time	25	Original transaction date – Entry, Space Filled
13	ORIGINAL ENTRY PLAZA	Alphanumeric	22	Original Entry Plaza in plain text
14	ORIGINAL ENTRY LANE	Integer	2	Lane identifier – Entry
15	ORIGINAL EXIT TRAN DATE	Date/Time	25	Transaction date/time – Exit
16	ORIGINAL EXIT PLAZA	Alphanumeric	22	Original Exit Plaza in plain text
17	ORIGINAL EXIT LANE	Integer	2	Lane identifier – Exit
18	ORIGINAL AXLE COUNT	Integer	2	Number of Axles – if Toll is based on axle based classification (Default Value = 0 for Agencies that do not use Axle Based classification). Space Filled.
19	ORIGINAL OCCUPANCY	Integer	1	Occupancy if Toll is based on Occupancy – (Values 0 – NA (default); 1 – SOV; 2 – HOV2; 3 – HOV3+; 4 Carpool; 5, 6, 7 – reserved for future use). Default Value = 0 for Agencies that do not use Occupancy to determine Tolls. Leave blank for plate transaction.
20	ORIGINAL PROTOCOL TYPE	Integer	1	Tag Protocol Type (Values 0 – Title 21; 1 – 6C) Leave blank for plate transaction.
21	ORIGINAL VEHICLE TYPE	Integer	1	Vehicle – (Values 0 – NA (default); 1 - Clean Air Vehicle)
22	ORIGINAL LP TYPE	Alpha	30	License Plate Type. If no LP Type included, then default to blank.
23	ORIGINAL TRAN FEE	Money	8	Amount charged for transaction fee
24	ORIGINAL TRAN FEE TYPE	Integer	1	Fee Type 0 –NA (default); 1 – HOV Only; 2 – Occupancy Detection; 3 – Other; 4, 5, 6 – reserved for future use)
25	CORR TAG ID	Hex	10	Tag ID in hex format, right justified, space filled to the left. The first three characters will be blank for Title-21 tags. The first three characters will be the Agency Code for 6C tags. Leave blank for plate transaction.
26	CORR LICENSE PLATE	Alphanumeric	10	License plate of patron (left justified with trailing spaces). Leave blank for tag transaction.
27	CORR STATE	Alpha	2	State code. Leave blank for tag transaction.
28	CORR TRAN #	Integer	10	Original transaction # generated by sending agency. This remains the same for any related adjustment or resubmitted transaction.
29	CORR TRAN AMOUNT	Money	8	New Amount charged for transaction. If the agency sent multiple adjustments and/or resubmissions, this is the

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
				amount in the previous accepted correction file.
30	CORR ENTRY TRAN DATE	Date/time	25	Transaction date/time – Entry, Space Filled
31	CORR ENTRY PLAZA	Alphanumeric	22	Corrected Entry Plaza Location in plain text
32	CORR ENTRY LANE	Integer	2	Lane identifier – Entry
33	CORR EXIT TRAN DATE	Date/time	25	Corrected Exit Plaza in plain text
34	CORR EXIT PLAZA	Alphanumeric	22	Corrected Exit Plaza in plain text
35	CORR EXIT LANE	Integer	2	Lane identifier – Exit
36	CORR AXLE COUNT	Integer	2	Number of Axles – if Toll is based on axle based classification (Default Value = 0 for Agencies that do not use Axle Based classification). Space Filled.
37	CORR OCCUPANCY	Integer	1	Occupancy if Toll is based on Occupancy – (Values 0 – NA (default); 1 – SOV; 2 – HOV2; 3 – HOV3+; 4 Carpool; 5, 6, 7 – reserved for future use). Default Value = 0 for Agencies that do not use Occupancy to determine Tolls. Leave blank for plate transaction.
38	CORR PROTOCOL TYPE	Integer	1	Tag Protocol Type (Values 0 – Title 21; 1 – 6C) Leave blank for plate transaction.
39	CORR VEHICLE TYPE	Integer	1	Vehicle – (Values 0 – NA (default); 1 - Clean Air Vehicle)
40	CORR LP TYPE	Alpha	30	License Plate Type. Include for NIOP transactions that contain a Plate Type in the Plate Status File. If no LP Type included, then default to blank.
41	CORR TRAN FEE	Money	8	Amount charged for transaction fee
42	CORR WR FEE TYPE	Integer	1	0 – N/A; 1 – HOV Only violation; 2 – Occupancy declaration mismatch

5.10.3. Correction File Trailer Record Format

Table 26 Correction file trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DATE	Date	10	Business day
4	DETAIL COUNT	Integer	6	Total count of all detail records
5	DETAIL AMOUNT	Money	10	Total amount of all detail records

Note: The Away Agency sends all of the original data in the transaction in the fields containing the word “original.” In the fields containing “CORR,” the Away Agency places updated information if the information in that field has changed, otherwise the agency should once again fill the field with the original information.

5.10.4. Correction Sample File

#HEADER,CORR,000246,06/25/2017,SR,TC, 1997-06-23T10:02:19-8:00, REV A2.0
2017-06-24T19:05:17-8:00,I,1,0,035628, 810012C, ,0004279389,00001.00,1997-06-22T19:09:20-8:00, Some On
Ramp,03,2017-06-22T19:09:25-8:00, Some Off Ramp,03,02,0,0,0, Some LP Type,00024.90,1,035629, 810012C,

Technical Specification for Interagency Electronic Data Interchange

,.0002468102,00000.00,1997-06-22T19:09:20-8:00, Some On Ramp,03,2017-06-22T19:09:25-8:00, Some Off
Ramp,03,02,0,0,0,00000.00,1
#TRAILER,000246,06/25/2017,000001,00000.00

5.11. Reconciled Correction File

For related business rules, see Section 4.5.

5.11.1. Reconciled Correction Header Record Format

Table 27 Reconciled correction header record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	7	Indicates this is a header record (#HEADER)
2	FILE TYPE	Char	8	Indicates this is a correction reconciliation file (CORRECON)
3	SEQUENCE #	Integer	6	Sequence # generated by sending agency, has matching entry in the trailer record
4	BUSINESS DAY	Date	10	Business day
5	SOURCE	Alpha	2	Two letter code of source entity
6	DESTINATION	Alpha	2	Two letter code of destination entity
7	CREATE DATE	Date/Time	25	Transmission file create date/time
8	VERSION	Alpha	10	"REV A2.0", right justified, space filled to the left.

5.11.2. Reconciled Correction Record Format

Table 28 Reconcile correction record format

Field #	Field Name	Field Type	Length	Notes
1	CORRECTION DATE	Date/Time	25	Same as Correction File
2	CORRECTION REASON	Alpha	1	Same as Correction File
3	RESUBMIT REASON	Alpha	1	Same as Correction File.
4	CORRECTION COUNT	Integer	3	Same as Correction File
5	RESUBMIT COUNT	Integer	3	Same as Correction File
6	HOME AGENCY SEQUENCE #	Integer	6	Same as Correction File
7	ORIGINAL TAG ID	Hex	10	Same as Correction File
8	ORIGINAL LICENSE PLATE	Alphanumeric	10	Same as Correction File
9	ORIGINAL STATE	Alpha	2	Same as Correction File
10	ORIGINAL TRAN #	Integer	10	Same as Correction File
11	ORIGINAL TRAN AMOUNT	Money	8	Same as Correction File
12	ORIGINAL ENTRY TRAN DATE	Date/time	25	Same as Correction File
13	ORIGINAL ENTRY PLAZA	Alphanumeric	22	Same as Correction File
14	ORIGINAL ENTRY LANE	Integer	2	Same as Correction File
15	ORIGINAL EXIT TRAN DATE	Date/Time	25	Same as Correction File
16	ORIGINAL EXIT	Alphanumeric	4	Same as Correction File

Technical Specification for Interagency Electronic Data Interchange

Field #	Field Name	Field Type	Length	Notes
	PLAZA			
17	ORIGINAL EXIT LANE	Integer		
18	ORIGINAL AXLE COUNT	Integer	2	Same as Correction File
19	ORIGINAL OCCUPANCY	Integer	1	Same as Correction File
20	ORIGINAL PROTOCOL TYPE	Integer	1	Same as Correction File
21	ORIGINAL VEHICLE TYPE	Integer	1	Same as Correction File
22	ORIGINAL LP TYPE	Alpha	30	Same as Correction File
23	ORIGINAL TRAN FEE	Money	8	Same as Correction File
24	ORIGINAL TRAN FEE TYPE	Integer	1	Same as Correction File
25	CORR TAG ID	Hex	10	Same as Correction File
26	CORR LICENSE PLATE	Alphanumeric	10	Same as Correction File.
27	CORR STATE	Alpha	2	Same as Correction File
28	CORR TRAN #	Integer	10	Same as Correction File
29	CORR TRAN AMOUNT	Money	8	Same as Correction File
30	CORR ENTRY TRAN DATE	Date/time	25	Same as Correction File
31	CORR ENTRY PLAZA	Alphanumeric	22	Same as Correction File
32	CORR ENTRY LANE	Integer	2	Same as Correction File
33	CORR EXIT TRAN DATE	Date/time	25	Same as Correction File
34	CORR EXIT PLAZA	Alphanumeric	22	Same as Correction File
35	CORR EXIT LANE	Integer	2	Same as Correction File
36	CORR AXLE COUNT	Integer	2	Same as Correction File
37	CORR OCCUPANCY	Integer	1	Same as Correction File
38	CORR PROTOCOL TYPE	Integer	1	Same as Correction File
39	CORR VEHICLE TYPE	Integer	1	Same as Correction File
40	CORR LP TYPE	Alpha	30	Same as Correction File
41	CORR TRAN FEE	Money	8	Same as Correction File
42	CORR TRAN FEE TYPE	Integer	1	Same as Correction File
43	POST AMT	Money	8	Amount Posted by Home Agency
44	RESPONSE CODE	Alpha	1	See Table 2 in Section 4 Business Rules

5.11.3. Reconciled Correction Trailer Record Format

Table 29 Reconciled correction trailer record format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Char	8	Trailer record indicator (#TRAILER)
2	SEQUENCE #	Integer	6	Sequence # matching entry in header
3	BUSINESS DATE	Date	10	Business day

Technical Specification for Interagency Electronic Data Interchange

4	DETAIL COUNT	Integer	6	Total count of all detail records
5	DETAIL AMOUNT	Money	10	Total amount of all detail records
6	ACCEPTED CNT	Integer	6	Total count of all accepted detail records
7	ACCEPTED AMT	Money	10	Total amount of all accepted detail records

5.11.4. Reconciled Correction Sample File

#HEADER,CORRECON,000246,06/26/2017,SR,TC,2017-06-26T09:01:21-8:00, REV A2.0
 2017-06-24T19:05:17-8:00,I,1,0,035628, 810012C, ,0004279389,00001.00,1997-06-22T19:09:20-8:00, Some On
 Ramp,03,2017-06-22T19:09:25-8:00, Some Off Ramp,03,02,0,0,0, Some LP Type,00024.90,1,035629, 810012C,
 ,0002468102,00000.00,1997-06-22T19:09:20-8:00, Some On Ramp,03,2017-06-22T19:09:25-8:00, Some Off
 Ramp,03,02,0,0,0,00000.00,1,00000.00,A

#TRAILER,000246,06/26/2017,000001,0000000.00,000001,0000000.00

5.12. Acknowledgement File

For related business rules, see Section 4.6.

5.12.1. Acknowledgment File Format

Table 30 Acknowledgement file format

Field #	Field Name	Field Type	Length	Notes
1	RECORD TYPE	Alpha	3	ACK - Indicates that this is an acknowledgment file
2	FILE TYPE	Alpha	10	Indicates the type of file for which the acknowledgement is being sent. Values: TAGS = tag status file PLATES = Plate status file TOLL = Toll charges file PAYBYPLATE = Pay by Plate transaction file CORR = Correction file RECONCILE = toll charges file reconciliation file PLATERECON = Pay by Plate charges reconciliation file CORRECON = Correction reconciliation file
3	FILE NAME	Char	45	The name of the file being acknowledged
4	FROM AGENCY	Alpha	2	Two letter code of source entity
5	TO AGENCY	Alpha	2	Two letter code of destination entity
6	CREATE DATE	Date/Time	25	Original transmission file create date/time from that file
7	ACK DATE	Date/Time	25	Date/time on which the acknowledgment was sent
8	RETURN CODE	Integer	2	A code indicating the status of the submission being acknowledged. Values: 00 – Submission was successfully received and verified. Submission is accepted and processed. 01 – Header does not match file details. Submission rejected without processing. 02 – Invalid File Name. Submission rejected without processing. 03 – Other major issue. Submission rejected without processing. 04 – Minor issue with file. Submission processed. Please contact the receiving Agency for more information
9	VERSION	Char	10	"REV A2.0", right justified, space filled to the left.

Technical Specification for Interagency Electronic Data Interchange

5.12.2. Acknowledgement Sample File

ACK, TAGS,SR,TC,_1997-06-23T02:02:19.tag,SR,TC, 1997-06-23T10:02:19-8:00, 1997-06-23T11:02:19-8:00,00, REV A2.0

Technical Specification for Interagency Electronic Data Interchange

APPENDIX A: CTOC PLAZA/LANE DESCRIPTIONS

Table 31 below contains a mapping of plaza IDs to plaza descriptions for statements that CTOC agencies used in v5.8 of the CTOC Tech Spec. It remains here as a reference for agencies until all agencies transition to this WRTO Technical Specification version, where plaza information will be conveyed through plain text.

Table 31 Plaza IDs

Plaza	Lane	Statement Description (22-character limit)
0002	01	Antioch-Lane 1
0002	02	Antioch-Lane 2
0002	03	Antioch-Lane 3
0003	01	Richmond-Lane 1
0003	02	Richmond-Lane 2
0003	03	Richmond-Lane 3
0003	04	Richmond-Lane 4
0003	05	Richmond-Lane 5
0003	06	Richmond-Lane 6
0003	07	Richmond-Lane 7
0004	01	Bay Bridge-Lane 1
0004	02	Bay Bridge-Lane 2
0004	03	Bay Bridge-Lane 3
0004	04	Bay Bridge-Lane 4
0004	05	Bay Bridge-Lane 5
0004	06	Bay Bridge-Lane 6
0004	07	Bay Bridge-Lane 7
0004	08	Bay Bridge-Lane 8
0004	09	Bay Bridge-Lane 9
0004	10	Bay Bridge-Lane 10
0004	11	Bay Bridge-Lane 11
0004	12	Bay Bridge-Lane 12
0004	13	Bay Bridge-Lane 13
0004	14	Bay Bridge-Lane 14
0004	15	Bay Bridge-Lane 15
0004	16	Bay Bridge-Lane 16
0004	17	Bay Bridge-Lane 17
0004	18	Bay Bridge-Lane 18
0004	19	Bay Bridge-Lane 19
0004	20	Bay Bridge-Lane 20
0004	21	Bay Bridge-Lane 21
0004	22	Bay Bridge-Lane 22
0005	01	San Mateo-Lane 1
0005	02	San Mateo-Lane 2
0005	03	San Mateo-Lane 3
0005	04	San Mateo-Lane 4
0005	05	San Mateo-Lane 5
0005	06	San Mateo-Lane 6
0005	07	San Mateo-Lane 7
0005	08	San Mateo-Lane 8
0005	09	San Mateo-Lane 9
0005	10	San Mateo-Lane 10
0006	01	Dumbarton-Lane 1
0006	02	Dumbarton-Lane 2

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
0006	03	Dumbarton-Lane 3
0006	04	Dumbarton-Lane 4
0006	05	Dumbarton-Lane 5
0006	06	Dumbarton-Lane 6
0006	07	Dumbarton-Lane 7
0007	01	Carquinez-Lane 1
0007	02	Carquinez-Lane 2
0007	03	Carquinez-Lane 3
0007	04	Carquinez-Lane 4
0007	05	Carquinez-Lane 5
0007	06	Carquinez-Lane 6
0007	07	Carquinez-Lane 7
0007	08	Carquinez-Lane 8
0007	09	Carquinez-Lane 9
0007	10	Carquinez-Lane 10
0007	11	Carquinez-Lane 11
0007	12	Carquinez-Lane 12
0008	01	Benicia-Lane 1
0008	02	Benicia-Lane 2
0008	03	Benicia-Lane 3
0008	04	Benicia-Lane 4
0008	05	Benicia-Lane 5
0008	06	Benicia-Lane 6
0008	07	Benicia-Lane 7
0008	08	Benicia-Lane 8
0008	09	Benicia-Lane 9
0008	10	Benicia-Lane 10
0008	11	Benicia-Lane 11
0008	12	Benicia-Lane 12
0008	13	Benicia-Lane 13
0008	14	Benicia-Lane 14
0008	15	Benicia-Lane 15
0008	16	Benicia-Lane 16
0008	17	Benicia-Lane 17
0015	01	I-15 Legacy Toll Zone
0201	01	SFO Long Term Garage
0204	01	SFO Long Term Lot
0821	01	SFO INTL G LV 1
0825	01	SFO INTL LV 3
0828	01	SFO INTL A LV 1
0831	01	SFO INTL A LV 3
0843	01	SFO Domestic LV 1
0844	01	SFO Domestic LV 2
0847	01	SFO Domestic LV 3
0850	01	SFO Domestic LV 46
0854	01	SFO Domestic LV 5
1131	01	La Paz On-Lane 1
1131	02	La Paz On-Lane 2
1133	02	La Paz Off-Lane 2
1141	01	Aliso Creek Off -Lane 1
1141	02	Aliso Creek Off-lane 2
1143	02	Aliso Creek On-Lane 2
1162	02	El Toro Off-Lane 2
1162	03	El Toro Off-Lane 3
1163	02	El Toro On-Lane 2

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
1163	03	El Toro On-Lane 3
1190	10	Catalina View South-Lane 10
1190	11	Catalina View South-Lane 11
1190	12	Catalina View South-Lane 12
1190	13	Catalina View South-Lane 13
1191	10	Catalina View North-Lane 10
1191	11	Catalina View North-Lane 11
1191	12	Catalina View North-Lane 12
1191	13	Catalina View North-Lane 13
1215	02	Newport Coast Off-Lane 2
1217	01	Newport Coast On-Lane 1
1217	02	Newport Coast On-Lane 2
1226	02	Ford Road Off-Lane 2
1227	02	Bonita Canyon On-Lane 2
2143	11	Oso Bridge Mainline NB Lane 11
2143	12	Oso Bridge Mainline NB Lane 12
2144	01	Oso Parkway On-Lane 1
2144	02	Oso Parkway On-Lane 2
2145	01	Oso Parkway Off-Lane 1
2145	02	Oso Parkway Off-Lane 2
2146	11	Oso Bridge Mainline SB Lane 11
2146	12	Oso Bridge Mainline SB Lane 12
2177	01	Antonio Parkway Off-Lane 1
2177	02	Antonio Parkway Off-Lane 2
2178	01	Antonio Parkway On-Lane 1
2178	02	Antonio Parkway On-Lane 2
2199	02	Los Alisos Blvd Off-Lane 2
2200	02	Los Alisos Blvd On-Lane 2
2216	02	Portola Parkway South Off - Lane 2
2217	01	Portola Parkway South On - Lane 1
2217	02	Portola Parkway South On - Lane 2
2234	02	Alton Parkway Off - Lane 2
2235	01	Alton Parkway On - Lane 1
2235	02	Alton Parkway On - Lane 2
2248	02	Portola Parkway North Off - Lane 2
2249	02	Portola Parkway North On - Lane 2
2257	11	Tomato Springs - North Lane 11
2257	12	Tomato Springs - North Lane 12
2257	13	Tomato Springs - North Lane 13
2260	11	Tomato Springs - South Lane 11
2260	12	Tomato Springs - South Lane 12
2260	13	Tomato Springs - South Lane 13
3042	02	Irvine Blvd. - East Off Lane 2
3043	01	Irvine Blvd. - East On Lane 1
3043	02	Irvine Blvd. - East On Lane 2
3057	11	Orange Grove South Lane 11
3057	12	Orange Grove South Lane 12
3058	11	Orange Grove North Lane 11
3058	12	Orange Grove North Lane 12
3145	10	Windy Ridge South Lane 10
3145	11	Windy Ridge South Lane 11
3145	12	Windy Ridge South Lane 12
3145	13	Windy Ridge South Lane 13
3150	10	Windy Ridge North Lane 10
3150	11	Windy Ridge North Lane 11
3150	12	Windy Ridge North Lane 12

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
3150	13	Windy Ridge North Lane 13
3482	01	Irvine Blvd. - West SB On Lane 1
3482	02	Irvine Blvd. - West SB On Lane 2
3486	02	Irvine Blvd. - West NB Off Lane 2
3490	01	Irvine Blvd. - West NB On - Lane 1
3490	11	Irvine Ranch North Lane 11
3490	12	Irvine Ranch North- Lane 12
3491	01	Portola Parkway West SB On - Lane 1
3491	11	Irvine Ranch South- Lane 11
3491	12	Irvine Ranch South- Lane 12
3497	02	Portola Parkway West NB On - Lane 2
3498	02	Portola Parkway West Off - Lane 2
4001	01	91E 55-Co. Line L#1
4001	02	91E 55-Co. Line L#2
4001	03	91E 55-Co. Line L#3
4002	01	91W Co. Line-55 L#1
4002	02	91W Co. Line-55 L#2
4002	03	91W Co. Line-55 L#
4010	01	GG Bridge - Lane 1
4010	02	GG Bridge - Lane 2
4010	03	GG Bridge - Lane 3
4010	04	GG Bridge - Lane 4
4010	05	GG Bridge - Lane 5
4010	06	GG Bridge - Lane 6
4010	07	GG Bridge - Lane 7
4010	08	GG Bridge - Lane 8
4010	09	GG Bridge - Lane 9
4010	10	GG Bridge - Lane 10
4010	11	GG Bridge - Lane 11
4010	12	GG Bridge - Lane 12
4020	1	91E Co. Line-McKinley L#1
4020	2	91E Co. Line-McKinley L#2
4020	3	91E Co. Line-McKinley L#3
4021	1	91W McKinley-Co. Line L#1
4021	2	91W McKinley-Co. Line L#2
4021	3	91W McKinley-Co. Line L#3
4022		15S
4023		15N
4024	1	91E Co. Line-15S L#1
4024	2	91E Co. Line-15S L#2
4024	3	91E Co. Line-15S L#3
4025	1	91W 15N - Co. Line L#1
4025	2	91W 15N - Co. Line L#2
4025	3	91W 15N - Co. Line L#3
4100	1	15S SR60/Sixth
4100	2	15S SR60/Sixth
4101	1	15S Limonite/Second
4101	2	15S Limonite/Second
4102	1	15S Sixth/Ontario
4102	2	15S Sixth/Ontario
4103	1	15S Magnolia/Cajalco
4103	2	15S Magnolia/Cajalco
4150	1	15N Cajalco/Magnolia
4150	2	15N Cajalco/Magnolia
4151	1	15N Ontario/Sixth
4151	2	15N Ontario/Sixth

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
4152	1	15N Second/Limonite
4152	2	15N Second/Limonite
4153	1	15N Sixth/SR60
4153	2	15N Sixth/SR60
5010	01	I-680 South Andrade
5011	01	I-680 South Washington
5012	01	I-680 South Mission
5013	01	I-680 South Calaveras
5020	01	I-680 SB SR238
5021	01	I-680 SB SR262
5022	01	I-680 SB SR237
5030	21	I-680 NB SR238
5031	21	I-680 NB SR84
5050	21	580 N First Zone WB
5051	21	580 Livermore Zone WB
5052	21	580 Isabel Zone WB
5053	21	580 Airway Zone WB
5054	21	580 Fallon Zone WB
5055	21	580 Santa Rita Zone WB
5056	21	580 Hacienda Zone WB
5057	21	580 San Ramon Zone WB
5070	01	580 Airway Zone 1 EB
5070	02	580 Airway Zone 1 EB
5071	01	580 Airway Zone 2 EB
5071	02	580 Airway Zone 2 EB
5072	01	580 Isabel Zone EB
5072	02	580 Isabel Zone EB
5073	01	580 Livermore Zone EB
5073	02	580 Livermore Zone EB
5074	01	580 N First Zone EB
5074	02	580 N First Zone EB
5075	01	580 Vasco Zone EB
5075	02	580 Vasco Zone EB
5076	01	580 Greenville Zone EB
5076	02	580 Greenville Zone EB
5110	01	SR 237/I-880 Connector WB
5111	01	SR 237 Zanker WB
5112	01	SR 237 N. First WB
5113	01	SR 237 Great America WB
5114	01	SR 237 Mathilda EB
5115	01	SR 237 Lawrence EB
5116	01	SR 237 Great America EB
5117	01	SR 237 N. First EB
5210	01	680 Crow Canyon Zone SB
5211	01	680 Alcosta Zone SB
5212	01	680 Crow Canyon Zone NB
5213	01	680 Livorna Zone NB
5310	01	I-880 Davis SB
5311	01	I-880 Hesperian SB
5312	01	I-880 SR92 SB
5313	01	I-880 Industrial SB
5314	01	I-880 Alvarado SB
5315	01	I-880 Mowry SB
5316	01	I-880 Mission SB
5317	01	I-880 Mission NB
5318	01	I-880 Auto Mall NB

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
5319	01	I-880 Thornton NB
5320	01	I-880 Alvarado NB
5321	01	I-880 SR92 NB
6000	01	110NB HGTC To Rosecrans
6001	01	110NB HGTC To I-105
6002	01	110NB HGTC To Slauson
6003	01	110NB HGTC To 39th
6004	01	110NB HGTC To Adams
6005	01	110NB Rosecrans To I-105
6006	01	110NB Rosecrans To Slauson
6007	01	110NB Rosecrans To 39th
6008	01	110NB Rosecrans To Adams
6009	01	110NB I-105 To Slauson
6010	01	110NB I-105 To 39th
6011	01	110NB I-105 to Adams
6012	01	110NB 39th to Adams
6013	01	110NB Slauson to 39th
6014	01	110NB Slauson to Adams
6100	01	110SB Adams to Jefferson
6101	01	110SB Adams to Manchester
6102	01	110SB Adams to Century
6103	01	110SB Adams to I-105
6104	01	110SB Adams to El Segundo
6105	01	110SB Adams to HGTC
6106	01	110SB Jefferson to Manchester
6107	01	110SB Jefferson to Century
6108	01	110SB Jefferson to I-105
6109	01	110SB Jefferson to El Segundo
6110	01	110SB Jefferson to HGTC
6111	01	110SB 39th to Manchester
6112	01	110SB 39th to Century
6113	01	110SB 39th to I-105
6114	01	110SB 39th to El Segundo
6115	01	110SB 39th to HGTC
6116	01	110SB Manchester to Century
6117	01	110SB Manchester to I-105
6118	01	110SB Manchester to El Segundo
6119	01	110SB Manchester to HGTC
6120	01	110SB Century to I-105
6121	01	110SB Century to El Segundo
6122	01	110SB Century to HGTC
6123	01	110SB I-105 to El Segundo
6124	01	110SB I-105 to HGTC
6125	01	110SB El Segundo to HGTC
6200	01	10EB Alameda to I-710
6201	01	10EB Alameda to Atlantic
6202	01	10EB Alameda to Del Mar
6203	01	10EB Alameda to Baldwin
6204	01	10EB Alameda to I-605
6205	01	10EB I-710 to Atlantic
6206	01	10EB I-710 to Del Mar
6207	01	10EB I-710 to Baldwin
6208	01	10EB I-710 to I-605
6209	01	10EB Atlantic to Del Mar
6210	01	10EB Atlantic to Baldwin
6211	01	10EB Atlantic to I-605

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
6212	01	10EB Del Mar to Baldwin
6213	01	10EB Del Mar to I-605
6214	01	10EB Baldwin to I-605
6301	01	10WB I-605 to Fremont
6302	01	10WB I-605 to I-710
6303	01	10WB I-605 to Alameda
6304	01	10WB Del Mar to Atlantic
6305	01	10WB Del Mar to I-710
6306	01	10WB Del Mar to Alameda
6307	01	10WB Fremont to I-710
6308	01	10WB Fremont to US-101
6309	01	10WB Fremont to Alameda
6310	01	10WB Del Mar to US-101
6311	01	10WB I-605 to US-101
8016	01	I-15/SR 163 Interchange
8017	01	I-15 Access
8018	01	Ammo Rd NB Entry
8019	01	Miramar Way NB
8019	02	Miramar Way NB
8019	03	Miramar Way NB
8019	98	Miramar Way NB
8020	01	Miramar Rd NB Entry
8021	01	Mira Mesa BI NB Entry
8022	01	Mira Mesa BI NB
8022	02	Mira Mesa BI NB
8022	03	Mira Mesa BI NB
8022	98	Mira Mesa BI NB
8023	01	Poway Rd NB
8023	02	Poway Rd NB
8023	03	Poway Rd NB
8023	98	Poway Rd NB
8024	01	SR 56 NB Exit
8024	02	SR 56 NB Exit
8024	98	SR 56 NB Exit
8025	01	Sabre Springs Transit
8025	02	Sabre Springs Transit
8026	01	SR 56 NB Entry
8027	01	Carmel Mountain Rd NB
8027	02	Carmel Mountain Rd NB
8027	03	Carmel Mountain Rd NB
8027	98	Carmel Mountain Rd NB
8028	01	Camino del Norte NB
8029	01	Bernardo Center Dr NB
8029	02	Bernardo Center Dr NB
8029	03	Bernardo Center Dr NB
8029	04	Bernardo Center Dr NB
8029	98	Bernardo Center Dr NB
8030	01	Duenda Rd NB Entry
8031	01	Via Rancho Pkwy NB
8031	02	Via Rancho Pkwy NB
8031	03	Via Rancho Pkwy NB
8031	98	Via Rancho Pkwy NB
8032	01	Del Lago NB Exit
8033	01	Del Lago NB Entry
8034	01	Centre City NB Entry
8035	01	Centre City Pkwy NB

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
8035	02	Centre City Pkwy NB
8035	98	Centre City Pkwy NB
8036	01	Felicita Rd NB
8036	02	Felicita Rd NB
8036	98	Felicita Rd NB
8037	01	Hale Ave NB Exit
8039	01	SR 78/I-15 Interchange
8040	01	Hale Ave SB Entry
8041	01	Felicita Rd SB
8041	02	Felicita Rd SB
8041	99	Felicita Rd SB
8042	01	9th Ave SB Entry
8044	01	Del Lago SB Exit
8045	01	Del Lago SB Entry
8046	01	Via Rancho Pkwy SB
8046	02	Via Rancho Pkwy SB
8046	03	Via Rancho Pkwy SB
8046	99	Via Rancho Pkwy SB
8047	01	Duenda Rd SB Entry
8048	01	Rancho Bernardo Transit
8048	02	Rancho Bernardo Transit
8048	03	Rancho Bernardo Transit
8048	04	Rancho Bernardo Transit
8048	05	Rancho Bernardo Transit
8049	01	Bernardo Center Dr SB
8049	02	Bernardo Center Dr SB
8049	03	Bernardo Center Dr SB
8049	99	Bernardo Center Dr SB
8050	01	Camino del Norte SB
8051	01	Carmel Mountain Rd SB
8051	02	Carmel Mountain Rd SB
8051	03	Carmel Mountain Rd SB
8051	99	Carmel Mountain Rd SB
8052	01	SR 56 SB Entry
8052	02	SR 56 SB Entry
8052	03	SR 56 SB Entry
8053	01	Poway Rd SB
8053	02	Poway Rd SB
8053	03	Poway Rd SB
8053	04	Poway Rd SB
8053	99	Poway Rd SB
8054	01	Poway Rd SB Entry
8055	01	Mercy Rd SB
8055	02	Mercy Rd SB
8055	03	Mercy Rd SB
8055	99	Mercy Rd SB
8056	01	Mercy Rd – 1 SB Entry
8057	01	Mercy Rd – 2 SB Entry
8058	01	Mira Mesa Transit
8058	02	Mira Mesa Transit
8059	01	Miramar Rd SB
8059	02	Miramar Rd SB
8059	03	Miramar Rd SB
8059	99	Miramar Rd SB
8060	01	Miramar Rd SB Entry
8061	01	Miramar Way SB

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
8061	02	Miramar Way SB
8061	03	Miramar Way SB
8061	99	Miramar Way SB
9001	01	SR-54 NB Exit
9001	02	SR-54 NB Exit
9001	98	SR-54 NB Exit
9002	01	San Miguel Rch NB On
9002	02	San Miguel Rch NB On
9003	01	East H NB On
9003	02	East H NB On
9003	03	East H NB On
9003	04	East H NB On
9003	05	East H NB Off
9003	98	East H NB Off
9004	01	Otay Lks Rd NB On
9004	02	Otay Lks Rd NB On
9004	03	Otay Lks Rd NB On
9004	04	Otay Lks Rd NB On
9004	05	Otay Lks Rd NB Off
9004	98	Otay Lks Rd NB Off
9005	01	Olymp Pkwy NB On
9005	02	Olymp Pkwy NB On
9005	03	Olymp Pkwy NB On
9005	04	Olymp Pkwy NB On
9005	05	Olymp Pkwy NB Off
9005	98	Olymp Pkwy NB Off
9006	01	Birch Rd NB On
9006	02	Birch Rd NB On
9006	03	Birch Rd NB On
9006	04	Birch Rd NB On
9006	05	Birch Rd NB Off
9006	98	Birch Rd NB Off
9010	01	Otay Toll Plz NB Entry
9010	02	Otay Toll Plz NB Entry
9010	03	Otay Toll Plz NB Entry
9010	04	Otay Toll Plz NB Entry
9010	05	Otay Toll Plz NB Entry
9011	01	SR-54 SB Entry
9011	02	SR-54 SB Entry
9011	99	SR-54 SB Entry
9012	01	San Miguel Rch SB Off
9012	02	San Miguel Rch SB Off
9013	01	East H SB Off
9013	02	East H SB Off
9013	03	East H SB On
9013	04	East H SB On
9013	99	East H SB On
9014	01	Otay Lks Rd SB Off
9014	02	Otay Lks Rd SB Off
9014	03	Otay Lks Rd SB On
9014	04	Otay Lks Rd SB On
9014	99	Otay Lks Rd SB On
9015	01	Olymp Pkwy SB Off
9015	02	Olymp Pkwy SB Off
9015	03	Olymp Pkwy SB On
9015	04	Olymp Pkwy SB On

Technical Specification for Interagency Electronic Data Interchange

Plaza	Lane	Statement Description (22-character limit)
9015	99	Olymp Pkwy SB On
9016	01	Birch Rd SB Off
9016	02	Birch Rd SB Off
9016	03	Birch Rd SB On
9016	04	Birch Rd SB On
9016	99	Birch Rd SB On
9020	01	Otay Toll Plz SB Exit
9020	02	Otay Toll Plz SB Exit
9020	03	Otay Toll Plz SB Exit
9020	04	Otay Toll Plz SB Exit
9020	05	Otay Toll Plz SB Exit

Note: 4001-4009 Reserved for OCTA
4020-5000 Reserved for RCTC
5000-5999 Reserved for Bay Area Express Lane Network
6000-6999 Reserved for LA Metro

Technical Specification for Interagency Electronic Data Interchange

APPENDIX B: TITLE 21 DEFINITION

Narrative

In 1990, the California State legislature directed the California Department of Transportation (Caltrans) to develop specifications for an Automatic Vehicle Identification (AVI) system such that a vehicle owner would not have to install more than one device to use toll facilities statewide.

Caltrans developed open compatibility specifications for a two-way communications protocol for AVI including an initial set of Transaction Record Type codes that were mandated for statewide Electronic Toll Collection (ETC) use. This standard was Chaptered into the California Code of Regulations in 1992 as Title 21, Chapter 16, Articles 1 through 4, and is commonly referred to as "Title 21".

The Title 21 standard envisioned more complex Transaction Record Type codes being developed for both ETC and other new applications. To maintain the growth of Title 21 it was specified that Caltrans shall function as the standards monitoring authority to authorize the use of new record types and to assign record type numbers to newly authorized records.

After Title 21 was Chaptered, the 32-bit Transponder ID field within the specification was further defined, primarily to identify the facility and patron that was conducting the electronic transaction. Numerous additional Transaction Record Type Codes were also approved involving lane specific, data transfer and manufacturer specific information.

Both of these Caltrans documents are considered "living" because as the system expands and evolves changes to them will be required.

Contact Caltrans' Traffic Operations office in Sacramento for the latest version of these documents, or to request new Transaction Record Type codes.

CALIFORNIA'S DEFINITION FOR TITLE 21'S 32-BIT TRANSPONDER ID NUMBER FIELD¹

In the State of California, the 32-bit Transponder ID Number Field specified in the Title 21 standard has been further subdivided into three data fields to represent Tag Type, Facility Code, and Internal Tag ID. These fields are currently defined as follows in Table 32.

¹ California Department of Transportation, Ver 34, September 9, 2019. Contact Caltrans for most current version.

Technical Specification for Interagency Electronic Data Interchange

Table 32 Title 21's 32-bit Transponder ID number field

32-Bit Transponder ID Number Field		
<i>Tag Type</i>	<i>Facility Code</i>	<i>Internal Tag ID</i>
4 Bits	18 Bits	10 Bits
16 Possibilities	262,144 Possibilities	1,024 Possibilities
Most Significant Bit		Least Significant Bit

Tag Type

A 4-bit field currently established to differentiate California's transponder from transponders that originate from agencies external to the state. In the future, the unassigned bits could be used to recommend a unique North American agency numbering scheme, or to further describe the operational behavior of the transponder. The 4-bit field is defined in decimal notation as follows:

- 0- California SOV.
- 2- Existing Out of State
- 4- California HOV2
- 8- California HOV3+
- 1, 3, 9-15 - Unassigned. Available for a future use.

Facility Code

An 18-bit field used to identify the facility or entity conducting business. Facility Code ranges are assigned based upon the number of transponders projected to be utilized. The 18-bit field is defined in decimal notation as shown in the two tables below. Table 33 is for non-switchable transponder tags and Table 34 is for switchable transponder tags.

Table 33 Facility codes for non-switchable transponders

Non-Switchable Transponder Tags Facility Codes (Tag Type 0)		
<i>Agency</i>	<i>Facility Codes Assigned</i>	<i>No. of Transponders</i>
State of California	0 – 75,000	76,801,024
Facility Codes 75,001 thru 125,000 are reserved for Switchable Transponder Tags. See Table 2 below		
Sacramento County Dept. of Airports	125,001 – 125,020	20,480
TCA	129,314 – 132,094	2,847,744
SR-91	132,096 – 132,990	916,480
SANDAG I-15	132,992 – 133,001	10,240
Golden Gate Bridge	133,015 – 133,407	402,432
SANDAG/SBX	134,583 – 134,876	301,056

Technical Specification for Interagency Electronic Data Interchange

Non-Switchable Transponder Tags Facility Codes (Tag Type 0)		
Agency	Facility Codes Assigned	No. of Transponders
Port of Oakland	140,000 – 140,001	2,048
LA World Airports	141,000 – 141,052	54,272
BATA	145,000 – 148,928	4,023,296
SENTRI	184,876 – 185,022	150,528
TCA (Multiprotocol Tags)	186,000 – 186,600	615,424
SANDAG I-15	258,960 – 259,100	144,384
Caltrans ATCAS	260,096 – 262,136	2,089,948

Table 34 Facility code for switchable transponders

Switchable Transponder Tags Facility Codes (Tag Type 0, 4, 8)²		
Agency	Facility Codes Assigned	No. of Transponders
LA MTA	75,001 – 76,955	2,001,920
TCA	80,000 – 80,978	1,002,496
SR-91	81,000 – 81,366	375,808
SANDAG/SBX	83,000 – 83,009	10,240
BATA	90,000 – 93,907	4,001,792
TCA	100,000 – 100,150	154,624

Note: Switchable Transponder Tags have Facility Codes ranging from 75,001 to 125,000

Internal Tag ID

A 10-bit field used to refer to the unique identification numbers that belongs to an assigned Facility Code. For each Facility Code, a block of 1,024 Internal Tag IDs will be assigned within the Transponder ID Number Field. Assignment of the Internal Tag IDs is the responsibility of the Facility Code Agency.

Title 21 Agencies Out-Of-State

Since the Title 21 standard is an open specification, there are other agencies outside of California that can also use interoperable transponders. These external agencies could inadvertently duplicate California's transponder ID number field assignments and render them non-unique.

Table 35 is a listing of out-of-state Title 21 agencies that have contacted the California Department of Transportation to participate in California's definition for the 32-bit

² Switchable transponders have Facility Code range from 75,001 to 125,000

Technical Specification for Interagency Electronic Data Interchange

Transponder ID Number field. Please note that this listing does not ensure that the assignments are unique, as they may have been duplicated by another agency outside of California.

Table 35 Title 21 Transponder IDs for out of state agencies

32-bit Transponder ID Number Field Definition for Title 21 Agencies Out-of-State			
<i>Agency</i>	<i>Tag Type</i>	<i>Facility Codes Assigned</i>	<i>No. of Transponders</i>
Colorado E-470 Public Highway Authority	2	0 – 9,766	10,001,408
Denver International Airport	2	10,000 – 10,029	30,720
Golden Ears Bridge, Vancouver, Canada	2	15,000 – 16,000	1,025,024

Technical Specification for Interagency Electronic Data Interchange

APPENDIX C: SUB TYPE DEFINITIONS FOR TAG RECORD FILE

C.1 Subtype - A

Field Character	Description	Used By
N	Sub type Not Used	All Agencies

C.2 Subtype - B

Field Character	Description	Used By
N	Sub type Not Used	All Agencies

C.3 Subtype - C

Field Character	Description	Used By
N	Sub type Not Used	All Agencies

APPENDIX D: LICENSE PLATE DATE LOGIC

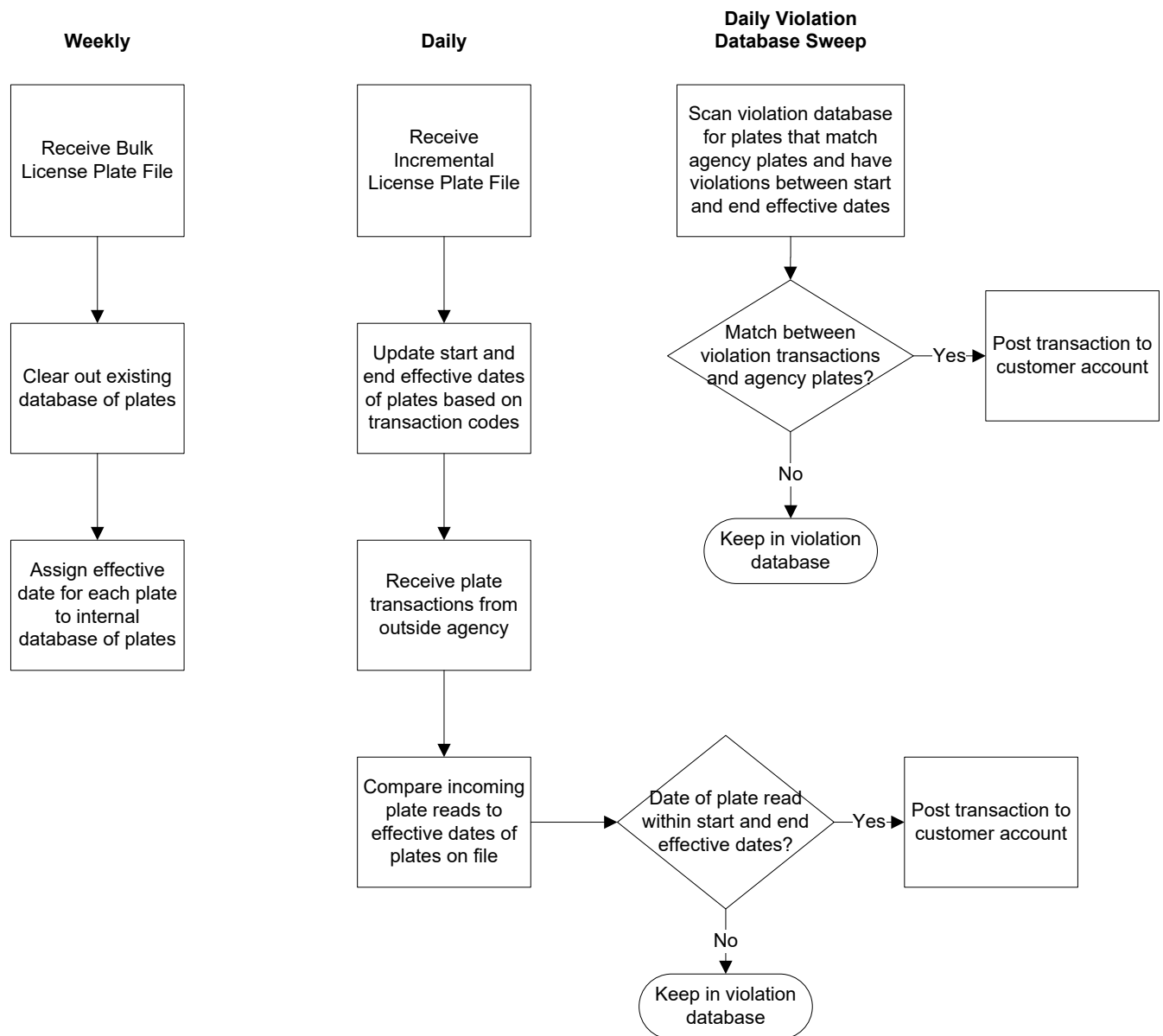


Figure 10 License plate date logic

APPENDIX E: VIOLATION ENFORCEMENT VIA PLATE READS

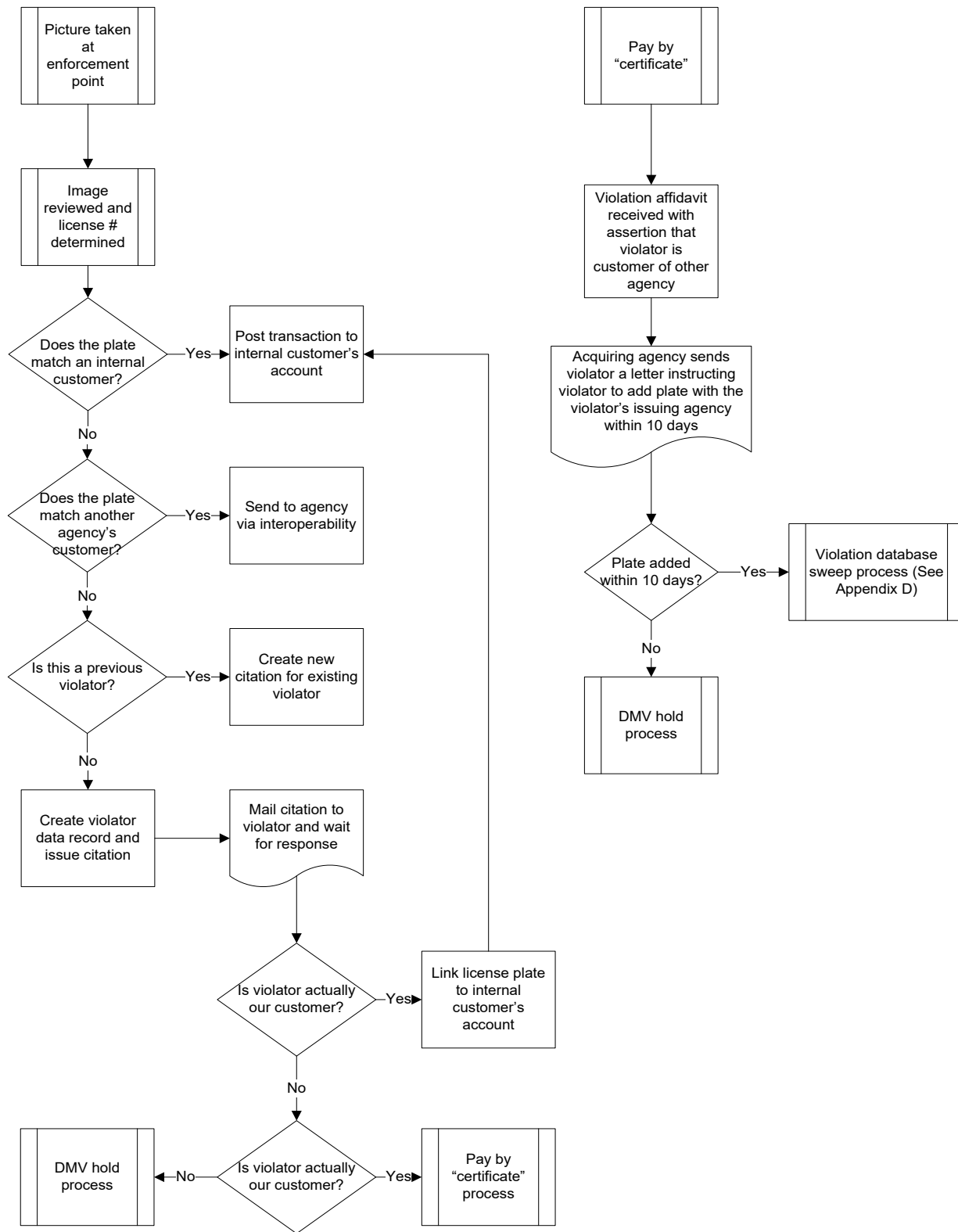


Figure 11 Violation enforcement via plate reads

APPENDIX F: 6C PROTOCOL

- 1) California toll operators are responsible to adhere to the Caltrans 6C Standard with, at minimum, the version below:

“California 6C Electronic Toll Collection Standard Version 1.0” dated May 5, 2017”

- 2) Western Region operators outside of California are responsible to adhere to the Caltrans 6C Standard with, at minimum, the version below:

“6C Coalition 6C AVI Standard Version 3.2” dated December 13, 2019”

Attachment B: I-405 Annual Transaction Forecast

The forecasted transaction volumes provided are estimates based on the best available information and are not guaranteed to be accurate. The Offeror's pricing is a mix of fixed and variable costs designed to adjust to the actual traffic, violations, and customer service center volumes.

I-405

Annual Transaction Forecast – I-405 **2023-2032**

Year	Total Tx	Tolled Tx	Declared HOV Tx	Declared HOV %	Transponder Not Read Tx	Transponder Not Read %
2023	71,010,000	27,744,000	43,266,000	60.9%	25,564,000	36.0%
2024	83,744,000	34,141,000	49,603,000	59.2%	27,636,000	33.0%
2025	108,839,000	47,903,000	60,936,000	56.0%	32,652,000	30.0%
2026	122,246,000	55,538,000	66,708,000	54.6%	36,674,000	30.0%
2027	101,930,000	71,124,000	30,806,000	30.2%	30,579,000	30.0%
2028	106,162,000	73,493,000	32,669,000	30.8%	31,849,000	30.0%
2029	110,513,000	75,889,000	34,624,000	31.3%	33,154,000	30.0%
2030	112,181,000	76,404,000	35,777,000	31.9%	33,654,000	30.0%
2031	113,889,000	76,920,000	36,969,000	32.5%	34,167,000	30.0%
2032	115,640,000	77,440,000	38,200,000	33.0%	34,692,000	30.0%

Attachment C: Sample Reports

Sample Monthly Status Report

Sample 91 EL Monthly Status Report

Note: Some data has been redacted

Attached is the 91 Express Lanes Monthly Status Report for November 2018; OCTA and RCTC Fiscal Year 2018-19

The following information is provided in this report:

1. EXECUTIVE SUMMARY

- 1.1a OCTA
- 1.1b RCTC

2. OPERATIONS

2.1 OCTA Traffic and Revenue

- 2.1a Current Month-to-Date as of November 30, 2018
- 2.1b Fiscal Year 2018-19 To-Date as of November 30, 2018
- 2.1c Weekday Peak-hour Volume for November 2018
- 2.1d Violation Collection

2.2 RCTC Traffic and Revenue

- 2.2a Current Month-to-Date as of November 30, 2018
- 2.2b Fiscal Year 2018-19 To-Date as of November 30, 2018
- 2.2c Eastbound Peak-hour Volume for November 2018
- 2.2d Westbound Peak-hour Volume for November 2018
- 2.2e Violation Collection

2.3 Multi Agency Trip and Revenue Statistics

2.4 Customer Service and Violation Processing

- 2.4a Performance Measures
- 2.4b Incoming Call Activity
- 2.4c Transponder Distribution
- 2.4d Transponder Inventory
- 2.4e Incoming Email Activity
- 2.4f Congestion-related Complaints

2.5 Operations Highlights

- 2.5a On-road Operations
- 2.5b Caltrans Projects in 91 Corridor
- 2.5c IT
- 2.5d ETTM
- 2.5e Finance and Administration

3. PROJECTS UPDATE

- 3.1 Telephone System
- 3.2 Camera System

4. STAFFING

5. ATTACHMENTS

- OCTA
- RCTC
- Combined Agencies

91 EXPRESS LANES MONTHLY STATUS REPORT

November 2018

OCTA/RCTC FISCAL YEAR 2018-19

1. EXECUTIVE SUMMARY

1.1a OCTA

The 2018-19 fiscal year-to-date traffic volume is 6.5% higher than the same period last year. The 2018-19 fiscal year-to-date potential revenue is 6.5% higher than the same period last year.

During November 2018, peak-hour eastbound traffic volumes met or exceeded 90% of defined capacity 19 times, with Friday, November 30th during the 2:00 p.m. hour having the highest volume at 103% as reflected in Chart 2.1c. As demonstrated in the same chart, westbound peak-hour traffic volumes top out at 78% of defined capacity. Average revenue per-trip for the month of November 2018 is \$3.01.

1.1b RCTC

The 2018-19 fiscal year-to-date traffic volume is 6.0% higher than the same period last year. The 2018-19 fiscal year-to-date potential revenue is 25.4% higher than the same period last year.

During November 2018, peak-hour eastbound traffic volumes exceeded the current level of service 75 times and are potentially available for a toll increase as seen in Chart 2.2c. As demonstrated in Chart 2.2d, westbound peak-hour traffic volumes met or exceeded the level of service 69 times and are potentially available for a toll increase. Average revenue per-trip for the month of November 2018 is \$3.62.

2. OPERATIONS

2.1 OCTA – Traffic and Revenue

Total traffic volume on the 91 Express Lanes for November 2018 was 1,415,344; this represents a 30-day average of 47,178 vehicles per day and a 6.0% decrease from the previous month's total traffic volume of 1,505,256. Potential toll revenue for November was \$4,255,226. This represents a 30-day average of \$141,841 and a 6.6% decrease from the previous month's potential revenue of \$4,557,905. Carpool percentage for November was 26.6%, which is up from the previous month's rate of 24.6%.

Month-to-date and year-to-date traffic and revenue data are summarized in the tables below.

The following trip and revenue statistics tables represent all trips taken on the 91 Express Lanes and associated potential revenue.

2.1a OCTA Current Month-to-Date as of November 30, 2018

(FY 2018-19 data is for the corresponding month in that fiscal year.)

Trips	Nov-18 MTD Actual	Stantec MTD Projected	# Variance	% Variance	Nov-17 MTD Actual	Yr-to-Yr % Variance
Full Toll Lanes	1,038,190	1,062,440	(24,250)	(2.3%)	1,003,409	3.5%
3+ Lanes	377,154	320,996	56,158	17.5%	338,015	11.6%
Total Gross Trips	1,415,344	1,383,436	31,908	2.3%	1,341,424	5.5%
Revenue						
Full Toll Lanes	\$4,186,694	\$4,254,542	(\$67,848)	(1.6%)	\$3,962,952	5.6%
3+ Lanes	\$68,532	\$81,164	(\$3,742)	(4.6%)	\$66,471	16.5%
Total Gross Revenue	\$4,255,226	\$4,335,707	(\$71,590)	(1.7%)	\$4,029,424	5.8%
Average Revenue per Trip						
Average Full Toll Lanes	\$4.03	\$4.00	\$0.03	0.7%	\$3.95	2.1%
Average 3+ Lanes	\$0.21	\$0.25	(\$0.05)	(18.8%)	\$0.20	4.4%
Average Gross Revenue	\$3.01	\$3.13	(\$0.12)	(3.9%)	\$3.00	0.3%

Refer to Attachment A1 for Traffic and Potential Revenue 13-month history.

2.1b OCTA Fiscal Year 2018-19 to-Date as of November 30, 2018

(FY 2018-19 data is for the period July 1, 2018 through November 30, 2018; FY 2017-18 data is for the corresponding period in that fiscal year.)

Trips	FY 2018-19 YTD Actual	Stantec YTD Projected	# Variance	% Variance	FY 2017-18 YTD Actual	Yr-to-Yr % Variance
Full Toll Lanes	5,453,910	5,531,356	(77,446)	(1.4%)	5,218,436	4.5%
3+ Lanes	1,934,417	1,677,904	256,513	15.3%	1,717,624	12.6%
Total Gross Trips	7,388,327	7,209,260	179,067	2.5%	6,936,060	6.5%
Revenue						
Full Toll Lanes	\$21,611,559	\$22,008,223	(\$87,630)	(0.4%)	\$20,297,571	6.5%
3+ Lanes	\$374,259	\$419,779	(\$9,724)	(2.3%)	\$355,554	5.3%
Total Gross Revenue	\$21,985,819	\$22,428,001	(\$97,354)	(0.4%)	\$20,653,125	6.5%
Average Revenue per Trip						
Average Full Toll Lanes	\$3.96	\$3.98	(\$0.02)	(0.4%)	\$3.89	1.9%
Average 3+ Lanes	\$0.19	\$0.25	(\$0.06)	(22.7%)	\$0.21	(6.5%)
Average Gross Revenue	\$2.98	\$3.11	(\$0.14)	(4.3%)	\$2.98	(0.1%)

2.1c OCTA Weekday Peak Volume for the Month of November 2018

EASTBOUND PEAK-HOUR VOLUMES

PM Time	Monday 10/29/18				Tuesday 10/30/18				Wednesday 10/31/18				Thursday 11/01/18				Friday 11/02/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500													\$5.20	438	3,307	97%	\$5.35	533	3,395	100%
1500 - 1600													\$6.00	693	3,455	102%	\$9.65	733	2,841	84%
1600 - 1700													\$9.30	477	2,610	77%	\$9.45	493	2,735	80%
1700 - 1800													\$9.20	537	2,833	83%	\$6.90	547	2,896	85%
1800 - 1900													\$4.75	693	2,848	84%	\$6.40	755	2,946	87%
1900 - 2000													\$5.50	622	2,293	67%	\$5.95	692	2,388	70%

PM Time	Monday 11/05/18				Tuesday 11/06/18				Wednesday 11/07/18				Thursday 11/08/18				Friday 11/09/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500	\$5.05	421	2,650	78%	\$5.05	432	3,030	89%	\$5.05	451	2,971	87%	\$5.20	464	3,234	95%	\$5.35	501	3,309	97%
1500 - 1600	\$5.40	664	3,077	91%	\$5.65	651	2,855	84%	\$6.25	639	3,276	96%	\$6.00	624	2,953	87%	\$9.65	675	2,606	77%
1600 - 1700	\$5.25	486	2,946	87%	\$5.50	445	2,939	86%	\$6.75	491	2,831	83%	\$9.30	462	2,473	73%	\$9.45	499	2,757	81%
1700 - 1800	\$5.20	621	3,165	93%	\$5.40	543	2,879	85%	\$6.90	504	2,519	74%	\$9.20	579	2,824	83%	\$6.90	619	2,856	84%
1800 - 1900	\$5.40	714	2,832	83%	\$3.85	735	3,102	91%	\$3.85	588	2,532	74%	\$4.75	702	2,787	82%	\$6.40	774	2,826	83%
1900 - 2000	\$3.75	517	2,041	60%	\$3.75	629	2,495	73%	\$3.75	407	1,590	47%	\$5.50	719	2,729	80%	\$5.95	656	2,246	66%

PM Time	Monday 11/12/18				Tuesday 11/13/18				Wednesday 11/14/18				Thursday 11/15/18				Friday 11/16/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500	\$5.05	480	2,135	63%	\$5.05	432	2,814	83%	\$5.05	438	2,861	84%	\$5.20	454	3,224	95%	\$5.35	519	3,403	100%
1500 - 1600	\$5.40	669	2,789	82%	\$5.65	647	2,803	82%	\$6.25	616	3,095	91%	\$6.00	637	3,269	96%	\$9.65	692	2,669	79%
1600 - 1700	\$5.25	483	2,504	74%	\$5.50	450	2,856	84%	\$6.75	438	2,728	80%	\$9.30	446	2,524	74%	\$9.45	464	2,674	79%
1700 - 1800	\$5.20	590	2,491	73%	\$5.40	607	3,010	89%	\$6.90	490	2,592	76%	\$9.20	609	2,814	83%	\$6.90	564	2,806	83%
1800 - 1900	\$5.40	590	1,953	57%	\$3.85	710	3,035	89%	\$3.85	719	3,176	93%	\$4.75	704	2,976	88%	\$6.40	750	2,788	82%
1900 - 2000	\$3.75	467	1,417	42%	\$3.75	552	2,198	65%	\$3.75	641	2,515	74%	\$5.50	604	2,387	70%	\$5.95	734	2,581	76%

PM Time	Monday 11/19/18				Tuesday 11/20/18				Wednesday 11/21/18				Thursday 11/22/18				Friday 11/23/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500	\$5.05	507	2,782	82%	\$5.05	613	3,166	93%	\$7.30	615	3,241	95%	\$5.20	748	1,809	53%	\$4.85	460	1,371	40%
1500 - 1600	\$5.40	660	2,981	88%	\$5.65	541	2,306	68%	\$8.35	619	2,676	79%	\$4.85	646	1,587	47%	\$4.85	449	1,319	39%
1600 - 1700	\$5.25	501	2,828	83%	\$5.50	516	2,758	81%	\$8.35	610	2,631	77%	\$4.85	693	1,549	46%	\$4.85	446	1,246	37%
1700 - 1800	\$5.20	589	2,873	85%	\$5.40	624	2,838	83%	\$8.35	646	2,479	73%	\$4.85	758	1,671	49%	\$4.85	423	1,154	34%
1800 - 1900	\$5.40	707	2,758	81%	\$3.85	705	2,851	84%	\$5.90	578	1,970	58%	\$5.20	742	1,522	45%	\$4.85	411	968	28%
1900 - 2000	\$3.75	582	1,998	59%	\$3.75	704	2,500	74%	\$5.65	525	1,617	48%	\$5.20	917	1,732	51%	\$4.85	386	835	25%

PM Time	Monday 11/26/18				Tuesday 11/27/18				Wednesday 11/28/18				Thursday 11/29/18				Friday 11/30/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500	\$5.05	446	2,649	78%	\$5.05	439	2,955	87%	\$5.05	449	2,828	83%	\$5.20	382	2,755	81%	\$5.35	555	3,508	103%
1500 - 1600	\$5.40	646	3,037	89%	\$5.65	690	2,856	84%	\$6.25	687	3,246	95%	\$6.00	596	2,992	88%	\$9.65	697	2,643	78%
1600 - 1700	\$5.25	471	2,860	84%	\$5.50	463	2,960	87%	\$6.75	528	3,053	90%	\$9.30	381	2,236	66%	\$9.45	434	2,672	79%
1700 - 1800	\$5.20	609	2,910	86%	\$5.40	594	3,003	88%	\$6.90	530	2,666	78%	\$9.20	487	2,274	67%	\$6.90	620	2,844	84%
1800 - 1900	\$5.40	689	2,786	82%	\$3.85	713	2,962	87%	\$3.85	671	2,941	87%	\$4.75	623	2,542	75%	\$6.40	708	2,837	83%
1900 - 2000	\$3.75	447	1,732	51%	\$3.75	573	2,275	67%	\$3.75	716	2,797	82%	\$5.50	445	1,702	50%	\$5.95	659	2,263	67%

Refer to Attachment A3 for a history of Eastbound Weekday Peak-hour Volumes

WESTBOUND PEAK-HOUR VOLUMES

AM Time	Monday 10/29/18				Tuesday 10/30/18				Wednesday 10/31/18				Thursday 11/01/18				Friday 11/02/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500													\$3.00	755	2,357	69%	\$3.00	678	1,960	58%
0500 - 0600													\$4.85	824	2,382	70%	\$4.60	739	2,419	71%
0600 - 0700													\$5.05	645	2,069	61%	\$4.85	602	1,924	57%
0700 - 0800													\$5.55	481	2,098	62%	\$5.40	452	1,830	54%
0800 - 0900													\$5.05	306	1,864	55%	\$4.85	308	1,709	50%
0900 - 1000													\$4.00	290	2,193	65%	\$4.00	294	1,601	47%

AM Time	Monday 11/05/18				Tuesday 11/06/18				Wednesday 11/07/18				Thursday 11/08/18				Friday 11/09/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500	\$3.00	740	2,276	67%	\$3.00	792	2,470	73%	\$3.00	734	2,358	69%	\$3.00	746	2,281	67%	\$3.00	668	2,031	60%
0500 - 0600	\$4.85	881	2,464	72%	\$4.85	867	2,508	74%	\$4.85	845	2,376	70%	\$4.85	833	2,405	71%	\$4.60	774	2,379	70%
0600 - 0700	\$5.05	587	2,018	59%	\$5.05	596	2,174	64%	\$5.05	641	2,064	61%	\$5.05	697	2,174	64%	\$4.85	628	2,028	60%
0700 - 0800	\$5.55	512	2,186	64%	\$5.55	492	2,202	65%	\$5.55	506	2,262	67%	\$5.55	525	2,378	70%	\$5.40	427	1,794	53%
0800 - 0900	\$5.05	347	2,160	64%	\$5.05	325	2,138	63%	\$5.05	311	1,950	57%	\$5.05	322	2,038	60%	\$4.85	326	1,780	52%
0900 - 1000	\$4.00	314	2,096	62%	\$4.00	287	2,242	66%	\$4.00	301	2,040	60%	\$4.00	284	2,124	62%	\$4.00	274	1,601	47%

AM Time	Monday 11/12/18				Tuesday 11/13/18				Wednesday 11/14/18				Thursday 11/15/18				Friday 11/16/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500	\$3.00	475	1,463	43%	\$3.00	782	2,399	71%	\$3.00	798	2,447	72%	\$3.00	795	2,391	70%	\$3.00	709	1,981	58%
0500 - 0600	\$4.85	525	1,579	46%	\$4.85	891	2,497	73%	\$4.85	816	2,377	70%	\$4.85	855	2,536	75%	\$4.60	763	2,467	73%
0600 - 0700	\$5.05	331	1,246	37%	\$5.05	617	2,052	60%	\$5.05	636	2,166	64%	\$5.05	588	2,133	63%	\$4.85	585	1,959	58%
0700 - 0800	\$5.55	292	1,207	36%	\$5.55	514	2,146	63%	\$5.55	471	2,193	65%	\$5.55	502	2,167	64%	\$5.40	406	1,803	53%
0800 - 0900	\$5.05	283	1,245	37%	\$5.05	332	2,149	63%	\$5.05	322	1,941	57%	\$5.05	372	2,027	60%	\$4.85	312	1,734	51%
0900 - 1000	\$4.00	453	1,944	57%	\$4.00	326	2,158	63%	\$4.00	287	1,961	58%	\$4.00	319	2,135	63%	\$4.00	280	1,731	51%

AM Time	Monday 11/19/18				Tuesday 11/20/18				Wednesday 11/21/18				Thursday 11/22/18				Friday 11/23/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500	\$3.00	774	2,493	73%	\$3.00	766	2,377	70%	\$3.00	722	1,959	58%	\$1.65	56	110	3%	\$1.65	92	219	6%
0500 - 0600	\$4.85	853	2,479	73%	\$4.85	904	2,551	75%	\$5.05	785	2,356	69%	\$1.65	54	147	4%	\$1.65	133	362	11%
0600 - 0700	\$5.05	525	2,021	59%	\$5.05	479	1,895	56%	\$5.20	450	1,826	54%	\$1.65	49	159	5%	\$2.45	135	434	13%
0700 - 0800	\$5.55	456	2,037	60%	\$5.55	429	1,849	54%	\$5.65	401	1,595	47%	\$1.65	84	240	7%	\$3.00	131	457	13%
0800 - 0900	\$5.05	422	2,121	62%	\$5.05	407	1,938	57%	\$5.65	337	1,662	49%	\$1.65	154	403	12%	\$3.00	156	614	18%
0900 - 1000	\$4.00	425	2,082	61%	\$4.00	401	2,041	60%	\$5.20	355	1,403	41%	\$2.45	320	701	21%	\$3.75	331	953	28%

AM Time	Monday 11/26/18				Tuesday 11/27/18				Wednesday 11/28/18				Thursday 11/29/18				Friday 11/30/18			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500	\$3.00	838	2,577	76%	\$3.00	796	2,418	71%	\$3.00	787	2,470	73%	\$3.00	752	2,329	69%	\$3.00	698	2,031	60%
0500 - 0600	\$4.85	895	2,522	74%	\$4.85	975	2,635	78%	\$4.85	844	2,408	71%	\$4.85	793	2,391	70%	\$4.60	766	2,363	70%
0600 - 0700	\$5.05	597	2,056	60%	\$5.05	575	1,999	59%	\$5.05	630	2,097	62%	\$5.05	590	1,989	59%	\$4.85	591	1,919	56%
0700 - 0800	\$5.55	453	1,960	58%	\$5.55	500	2,149	63%	\$5.55	510	2,205	65%	\$5.55	428	1,859	55%	\$5.40	412	1,805	53%
0800 - 0900	\$5.05	360	2,007	59%	\$5.05	346	2,229	66%	\$5.05	371	2,146	63%	\$5.05	307	1,874	55%	\$4.85	311	1,867	55%
0900 - 1000	\$4.00	314	1,974	58%	\$4.00	305	2,149	63%	\$4.00	290	2,199	65%	\$4.00	273	1,839	54%	\$4.00	261	1,611	47%

2.1d OCTA Violation Collection

“Customers” are FasTrak account holders with any FasTrak toll facility in California; “Non-customer Violations” are considered true violators who travel the 91 Express Lanes without a valid FasTrak account.

COLLECTION EFFORTS	November-18		Q2 To-Date		FY 2018-19 To-Date	
	Records	Recovered	Records	Recovered	Records	Recovered
COFIROUTE RECOVERED						
Customer Violations	20,056	78,270	44,513	167,769	112,393	421,412
Non-customer Violations	7,518	203,323	16,344	439,525	43,582	1,160,477
Cofiroute Collection Totals:	27,574	\$ 281,593	60,857	\$ 607,294	155,975	\$ 1,581,889
COLLECTION AGENCY RECOVERED						
Unresolved Customer Acct Collections	71	5,143	122	8,949	289	21,952
Unresolved Non-customer Violations	1,556	136,566	3,049	271,506	6,451	566,011
Judgments	147	20,889	282	41,810	698	94,216
*Tax Intercept	107	13,086	597	69,353	1,229	146,282
*Lottery Intercept	16	913	52	3,124	92	6,664
Collection Agency Totals:	1,897	\$ 176,597	4,102	\$ 394,742	8,759	835,125
TOTAL COLLECTION:	29,471	\$ 458,190	64,959	\$ 1,002,036	164,734	\$ 2,417,014

*Note: Data is based on activity month when collected. Additional data may be received after the date of this report.

2.2 RCTC – Traffic and Revenue

Total traffic volume on the 91 Express Lanes for November 2018 was 1,226,885; this represents a 30-day average of 40,896 vehicles per day and a 6.5% decrease from the previous month's total traffic volume of 1,311,938. Potential toll revenue for November was \$4,440,392. This represents a 30-day average of \$148,013 and a 9.6% decrease from the previous month's potential revenue of \$4,913,634. Carpool percentage for November was 24.4%, which is up from the previous month's rate of 22.7%.

Month-to-date and year-to-date traffic and revenue data are summarized in the tables below.

The following trip and revenue statistics tables represent all trips taken on the 91 Express Lanes and associated potential revenue.

2.2a RCTC Current Month-to-Date as of November 30, 2018

(FY 2018-19 data is for the corresponding month in that fiscal year.)

	NOV-18 MTD Actual	Stantec MTD Projected	# Variance	% Variance	Nov-17 MTD Actual	Yr-to-Yr % Variance
Trips						
Full Toll Lanes	927,903	624,457	303,446	48.6%	915,744	1.3%
3+ Lanes	298,982	226,329	72,653	32.1%	258,159	15.8%
Total Gross Trips	1,226,885	850,786	376,099	44.2%	1,173,903	4.5%
Revenue						
Full Toll Lanes	\$4,408,880	\$1,856,172	\$2,552,708	137.5%	\$3,701,519	19.1%
3+ Lanes	\$31,512	\$0	\$31,512		\$28,277	11.4%
Total Gross Revenue	\$4,440,392	\$1,856,172	\$2,584,220	139.2%	\$3,729,796	19.1%
Average Revenue per Trip						
Average Full Toll Lanes	\$4.75	\$2.97	\$1.78	59.9%	\$4.04	17.6%
Average 3+ Lanes	\$0.11	\$0.00	\$0.11		\$0.11	0.0%
Average Gross Revenue	\$3.62	\$2.18	\$1.44	66.1%	\$3.18	13.8%

Refer to Attachment B1 for Traffic and Potential Revenue history.

2.2b RCTC Fiscal Year 2018-19 to-Date as of November 30, 2018

(FY 2018-19 data is for the period July 1, 2018 through November 30, 2018; FY 2017-18 data is for the corresponding period in that fiscal year.)

	FY 2018-19 YTD Actual	Stantec YTD Projected	# Variance	% Variance	FY 2017-18 YTD Actual	Yr-to-Yr % Variance
Trips						
Full Toll Lanes	4,886,478	3,116,014	1,770,464	56.8%	4,772,629	2.4%
3+ Lanes	1,541,321	1,084,343	456,978	42.1%	1,293,049	19.2%
Total Gross Trips	6,427,799	4,200,357	2,227,442	53.0%	6,065,678	6.0%
Revenue						
Full Toll Lanes	\$22,910,249	\$9,342,729	\$13,567,520	145.2%	\$18,257,926	25.5%
3+ Lanes	\$174,164	\$0	\$174,164		\$153,280	13.6%
Total Gross Revenue	\$23,084,413	\$9,342,729	\$13,741,684	147.1%	\$18,411,206	25.4%
Average Revenue per Trip						
Average Full Toll Lanes	\$4.69	\$3.00	\$1.69	56.3%	\$3.83	22.5%
Average 3+ Lanes	\$0.11	\$0.00	\$0.11		\$0.12	(8.3%)
Average Gross Revenue	\$3.59	\$2.22	\$1.37	61.7%	\$3.04	18.1%

2.2c RCTC Eastbound Peak-hour Volume for November 2018

Refer to Attachment B3.1 and B3.2 for a history of Eastbound Peak-hour Volumes.

Eastbound PM Peak - County Line to McKinley

	Monday10/29/18					Tuesday10/30/18					Wednesday10/31/18					Thursday11/01/18					Friday11/02/18				
PM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500																\$7.55	229	1,269	1,498	E	\$16.40	332	1,197	1,529	E
1500 - 1600																\$9.60	341	1,016	1,357	D	\$16.40	364	934	1,298	D
1600 - 1700																\$8.55	196	786	982	C	\$11.40	233	901	1,134	C
1700 - 1800																\$3.95	248	923	1,171	C	\$7.40	246	973	1,219	D
1800 - 1900																\$3.95	304	888	1,192	C	\$5.05	311	958	1,269	D
1900 - 2000																\$4.05	274	691	965	C	\$3.95	333	879	1,212	D

PM Time	Monday 11/05/18					Tuesday 11/06/18					Wednesday 11/07/18					Thursday 11/08/18					Friday 11/09/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$4.05	240	1,012	1,252	E	\$5.15	227	1,093	1,320	F	\$5.15	259	1,139	1,398	F	\$7.55	256	1,275	1,531	F	\$16.40	321	1,196	1,517	F
1500 - 1600	\$5.05	358	982	1,340	F	\$5.15	362	892	1,254	E	\$6.55	330	994	1,324	F	\$9.60	372	975	1,347	F	\$16.40	351	944	1,295	E
1600 - 1700	\$4.05	224	911	1,135	D	\$4.05	193	921	1,114	D	\$3.95	240	970	1,210	E	\$8.55	224	942	1,166	D	\$11.40	258	1,019	1,277	E
1700 - 1800	\$4.05	229	882	1,111	D	\$4.05	250	865	1,115	D	\$3.95	211	783	994	C	\$3.95	244	945	1,189	D	\$7.40	267	953	1,220	E
1800 - 1900	\$4.05	292	754	1,046	D	\$4.05	318	857	1,175	D	\$3.95	273	796	1,069	D	\$3.95	311	934	1,245	E	\$5.05	369	954	1,323	F
1900 - 2000	\$2.20	220	571	791	B	\$4.05	254	690	944	C	\$3.95	253	677	930	C	\$4.05	315	850	1,165	D	\$3.95	322	859	1,181	D

PM Time	Monday 11/12/18					Tuesday 11/13/18					Wednesday 11/14/18					Thursday 11/15/18					Friday 11/16/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$4.05	252	803	1,055	D	\$5.15	227	946	1,173	D	\$5.15	260	1,099	1,359	F	\$7.55	267	1,186	1,453	F	\$17.70	311	1,193	1,504	F
1500 - 1600	\$5.05	329	876	1,205	E	\$5.15	348	916	1,264	E	\$6.55	337	993	1,330	F	\$9.60	327	1,019	1,346	F	\$17.70	367	916	1,283	E
1600 - 1700	\$4.05	219	858	1,077	D	\$4.05	206	946	1,152	D	\$3.95	213	928	1,141	D	\$8.55	211	853	1,064	D	\$11.40	237	891	1,128	D
1700 - 1800	\$4.05	289	728	1,017	D	\$4.05	257	854	1,111	D	\$3.95	220	894	1,114	D	\$3.95	265	895	1,160	D	\$6.70	261	980	1,241	E
1800 - 1900	\$4.05	278	585	863	C	\$4.05	289	914	1,203	E	\$3.95	298	962	1,260	E	\$3.95	384	1,218	1,602	F	\$6.70	342	899	1,241	E
1900 - 2000	\$2.20	207	428	635	B	\$4.05	224	658	882	C	\$3.95	270	778	1,048	D	\$4.05	250	680	930	C	\$5.15	310	936	1,246	E

	Monday 11/19/18					Tuesday 11/20/18					Wednesday 11/21/18					Thursday 11/22/18					Friday 11/23/18				
PM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$4.05	288	1,122	1,410	F	\$5.15	331	1,194	1,525	F	\$13.65	615	2,366	2,981	F	\$4.05	393	766	1,159	D	\$4.05	233	510	743	B
1500 - 1600	\$5.05	373	981	1,354	F	\$5.15	311	932	1,243	E	\$10.60	446	2,228	2,674	F	\$4.05	313	617	930	C	\$2.20	192	462	654	B
1600 - 1700	\$4.05	258	964	1,222	E	\$4.05	264	1,011	1,275	E	\$8.55	751	2,352	3,103	F	\$4.05	352	638	990	C	\$2.20	216	404	620	B
1700 - 1800	\$4.05	273	852	1,125	D	\$4.05	334	971	1,305	F	\$6.70	760	2,213	2,973	F	\$4.05	351	588	939	C	\$2.20	180	352	532	B
1800 - 1900	\$4.05	296	804	1,100	D	\$4.05	329	920	1,249	E	\$4.05	418	1,044	1,462	F	\$4.05	349	498	847	C	\$2.20	174	260	434	B
1900 - 2000	\$2.20	271	688	959	C	\$4.05	328	792	1,120	D	\$4.05	232	541	773	B	\$4.05	400	529	929	C	\$1.50	166	216	382	A

PM Time	Monday 11/26/18					Tuesday 11/27/18					Wednesday 11/28/18					Thursday 11/29/18					Friday 11/30/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$4.05	227	1,006	1,233	E	\$5.15	225	1,046	1,271	E	\$5.15	257	1,090	1,347	F	\$7.55	205	1,034	1,239	E	\$17.70	291	1,163	1,454	F
1500 - 1600	\$5.05	307	892	1,199	D	\$5.15	346	903	1,249	E	\$6.55	375	1,007	1,382	F	\$9.60	290	862	1,152	D	\$17.70	358	869	1,227	E
1600 - 1700	\$4.05	222	842	1,064	D	\$4.05	199	930	1,129	D	\$3.95	230	974	1,204	E	\$8.55	148	748	896	C	\$11.40	195	939	1,134	D
1700 - 1800	\$4.05	242	801	1,043	D	\$4.05	240	898	1,138	D	\$3.95	239	852	1,091	D	\$3.95	186	676	862	C	\$6.70	275	897	1,172	D
1800 - 1900	\$4.05	293	705	998	C	\$4.05	272	859	1,131	D	\$3.95	279	887	1,166	D	\$3.95	236	762	998	C	\$6.70	347	866	1,213	E
1900 - 2000	\$2.20	184	510	694	B	\$4.05	216	669	885	C	\$3.95	286	841	1,127	D	\$4.05	190	547	737	B	\$5.15	294	773	1,067	D

91 Express Lanes November 2018 Status Report
Issued December 14, 2018

Eastbound PM Peak - County Line to I-15 South

PM Time	Monday 10/29/18					Tuesday 10/30/18					Wednesday 10/31/18					Thursday 11/01/18					Friday 11/02/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500																\$5.05	114	777	891	C	\$5.15	129	784	913	C
1500 - 1600																\$5.15	184	696	880	C	\$2.80	163	582	745	B
1600 - 1700																\$2.80	118	590	708	B	\$2.85	121	562	683	B
1700 - 1800																\$2.85	125	581	706	B	\$2.85	127	586	713	B
1800 - 1900																\$2.85	144	538	682	B	\$2.85	180	556	736	B
1900 - 2000																\$2.85	145	466	611	B	\$2.85	160	399	559	B

PM Time	Monday 11/05/18					Tuesday 11/06/18					Wednesday 11/07/18					Thursday 11/08/18					Friday 11/09/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$2.85	104	649	753	B	\$5.15	108	731	839	C	\$5.05	118	714	832	C	\$5.05	122	791	913	C	\$5.15	135	738	873	C
1500 - 1600	\$2.85	180	674	854	C	\$2.80	150	605	755	B	\$5.15	156	650	806	C	\$5.15	140	668	808	C	\$2.80	171	574	745	B
1600 - 1700	\$2.85	106	645	751	B	\$2.85	119	595	714	B	\$2.85	122	633	755	B	\$2.80	129	551	680	B	\$2.85	104	571	675	B
1700 - 1800	\$2.85	140	614	754	B	\$2.85	118	547	665	B	\$2.85	119	511	630	B	\$2.85	142	590	732	B	\$2.85	133	543	676	B
1800 - 1900	\$2.85	154	508	662	B	\$2.85	153	601	754	B	\$2.85	132	491	623	B	\$2.85	142	561	703	B	\$2.85	171	493	664	B
1900 - 2000	\$2.85	116	361	477	B	\$2.85	143	532	675	B	\$2.85	157	454	611	B	\$2.85	170	562	732	B	\$2.85	159	449	608	B

PM Time	Monday 11/12/18					Tuesday 11/13/18					Wednesday 11/14/18					Thursday 11/15/18					Friday 11/16/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$2.85	145	502	647	B	\$5.15	116	638	754	B	\$5.05	103	658	761	B	\$5.05	117	806	923	C	\$5.15	141	754	895	C
1500 - 1600	\$2.85	192	609	801	C	\$2.80	152	603	755	B	\$5.15	157	635	792	B	\$5.15	152	707	859	C	\$2.80	181	632	813	C
1600 - 1700	\$2.85	127	554	681	B	\$2.85	105	607	712	B	\$2.85	106	616	722	B	\$2.80	124	586	710	B	\$2.85	113	583	696	B
1700 - 1800	\$2.85	131	484	615	B	\$2.85	142	575	717	B	\$2.85	123	515	638	B	\$2.85	139	516	655	B	\$2.85	158	552	710	B
1800 - 1900	\$2.85	155	399	554	B	\$2.85	161	558	719	B	\$2.85	162	584	746	B	\$2.85	82	238	320	A	\$2.85	151	537	688	B
1900 - 2000	\$2.85	135	285	420	B	\$2.85	140	444	584	B	\$2.85	168	499	667	B	\$2.85	146	526	672	B	\$2.85	190	541	731	B

PM Time	Monday 11/19/18					Tuesday 11/20/18					Wednesday 11/21/18					Thursday 11/22/18					Friday 11/23/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$2.85	142	664	806	C	\$5.15	171	684	855	C	\$2.85	42	125	167	A	\$2.85	189	357	546	B	\$1.90	128	283	411	B
1500 - 1600	\$2.85	178	659	837	C	\$2.80	128	542	670	B	\$2.85	109	304	413	B	\$2.85	169	342	511	B	\$1.90	139	261	400	A
1600 - 1700	\$2.85	141	620	761	B	\$2.85	158	591	749	B	\$2.85	23	44	67	A	\$2.85	185	346	531	B	\$1.90	125	214	339	A
1700 - 1800	\$2.85	139	538	677	B	\$2.85	162	564	726	B	\$2.85	13	42	55	A	\$2.85	249	337	586	B	\$1.90	136	217	353	A
1800 - 1900	\$2.85	156	489	645	B	\$2.85	172	542	714	B	\$2.85	110	292	402	B	\$2.85	277	314	591	B	\$1.90	118	157	275	A
1900 - 2000	\$2.85	161	406	567	B	\$2.85	201	510	711	B	\$2.85	140	304	444	B	\$2.85	361	331	692	B	\$1.90	117	135	252	A

PM Time	Monday 11/26/18					Tuesday 11/27/18					Wednesday 11/28/18					Thursday 11/29/18					Friday 11/30/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
1400 - 1500	\$2.85	117	646	763	B	\$5.15	125	716	841	C	\$5.05	108	653	761	B	\$5.05	108	643	751	B	\$5.15	137	762	899	C
1500 - 1600	\$2.85	162	634	796	B	\$2.80	163	611	774	B	\$5.15	175	681	856	C	\$5.15	120	632	752	B	\$2.80	158	574	732	B
1600 - 1700	\$2.85	122	537	659	B	\$2.85	108	636	744	B	\$2.85	128	694	822	C	\$2.80	98	520	618	B	\$2.85	118	581	699	B
1700 - 1800	\$2.85	133	591	724	B	\$2.85	113	611	724	B	\$2.85	124	517	641	B	\$2.85	89	427	516	B	\$2.85	126	533	659	B
1800 - 1900	\$2.85	136	522	658	B	\$2.85	123	495	618	B	\$2.85	130	569	699	B	\$2.85	132	433	565	B	\$2.85	161	521	682	B
1900 - 2000	\$2.85	109	355	464	B	\$2.85	136	502	638	B	\$2.85	172	595	767	B	\$2.85	95	372	467	B	\$2.85	148	455	603	B

91 Express Lanes November 2018 Status Report
Issued December 14, 2018

Eastbound PM Peak Total

	Monday10/29/18			Tuesday10/30/18			Wednesday10/31/18			Thursday11/01/18			Friday11/02/18		
PM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
1400 - 1500										343	2,046	2,389	461	1,981	2,442
1500 - 1600										525	1,712	2,237	527	1,516	2,043
1600 - 1700										314	1,376	1,690	354	1,463	1,817
1700 - 1800										373	1,504	1,877	373	1,559	1,932
1800 - 1900										448	1,426	1,874	491	1,514	2,005
1900 - 2000										419	1,157	1,576	493	1,278	1,771

	Monday11/05/18			Tuesday11/06/18			Wednesday11/07/18			Thursday11/08/18			Friday11/09/18		
PM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
1400 - 1500	344	1,661	2,005	335	1,824	2,159	377	1,853	2,230	378	2,066	2,444	456	1,934	2,390
1500 - 1600	538	1,656	2,194	512	1,497	2,009	486	1,644	2,130	512	1,643	2,155	522	1,518	2,040
1600 - 1700	330	1,556	1,886	312	1,516	1,828	362	1,603	1,965	353	1,493	1,846	362	1,590	1,952
1700 - 1800	369	1,496	1,865	368	1,412	1,780	330	1,294	1,624	386	1,535	1,921	400	1,496	1,896
1800 - 1900	446	1,262	1,708	471	1,458	1,929	405	1,287	1,692	453	1,495	1,948	540	1,447	1,987
1900 - 2000	336	932	1,268	397	1,222	1,619	410	1,131	1,541	485	1,412	1,897	481	1,308	1,789

	Monday11/12/18			Tuesday11/13/18			Wednesday11/14/18			Thursday11/15/18			Friday11/16/18		
PM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
1400 - 1500	397	1,305	1,702	343	1,584	1,927	363	1,757	2,120	384	1,992	2,376	452	1,947	2,399
1500 - 1600	521	1,485	2,006	500	1,519	2,019	494	1,628	2,122	479	1,726	2,205	548	1,548	2,096
1600 - 1700	346	1,412	1,758	311	1,553	1,864	319	1,544	1,863	335	1,439	1,774	350	1,474	1,824
1700 - 1800	420	1,212	1,632	399	1,429	1,828	343	1,409	1,752	404	1,411	1,815	419	1,532	1,951
1800 - 1900	433	984	1,417	450	1,472	1,922	460	1,546	2,006	466	1,456	1,922	493	1,436	1,929
1900 - 2000	342	713	1,055	364	1,102	1,466	438	1,277	1,715	396	1,206	1,602	500	1,477	1,977

	Monday11/19/18			Tuesday11/20/18			Wednesday11/21/18			Thursday11/22/18			Friday11/23/18		
PM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
1400 - 1500	430	1,786	2,216	502	1,878	2,380	657	2,491	3,148	582	1,123	1,705	361	793	1,154
1500 - 1600	551	1,640	2,191	439	1,474	1,913	555	2,532	3,087	482	959	1,441	331	723	1,054
1600 - 1700	399	1,584	1,983	422	1,602	2,024	774	2,396	3,170	537	984	1,521	341	618	959
1700 - 1800	412	1,390	1,802	496	1,535	2,031	773	2,255	3,028	600	925	1,525	316	569	885
1800 - 1900	452	1,293	1,745	501	1,462	1,963	528	1,336	1,864	626	812	1,438	292	417	709
1900 - 2000	432	1,094	1,526	529	1,302	1,831	372	845	1,217	761	860	1,621	283	351	634

	Monday11/26/18			Tuesday11/27/18			Wednesday11/28/18			Thursday11/29/18			Friday11/30/18		
PM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
1400 - 1500	344	1,652	1,996	350	1,762	2,112	365	1,743	2,108	313	1,677	1,990	428	1,925	2,353
1500 - 1600	469	1,526	1,995	509	1,514	2,023	550	1,688	2,238	410	1,494	1,904	516	1,443	1,959
1600 - 1700	344	1,379	1,723	307	1,566	1,873	358	1,668	2,026	246	1,268	1,514	313	1,520	1,833
1700 - 1800	375	1,392	1,767	353	1,509	1,862	363	1,369	1,732	275	1,103	1,378	401	1,430	1,831
1800 - 1900	429	1,227	1,656	395	1,354	1,749	409	1,456	1,865	368	1,195	1,563	508	1,387	1,895
1900 - 2000	293	865	1,158	352	1,171	1,523	458	1,436	1,894	285	919	1,204	442	1,228	1,670

2.2d RCTC Westbound Peak-hour Volume for November 2018

Refer to Attachment B3.3 and B3.4 for a history of Westbound Peak-hour Volumes.

Westbound AM Peak - McKinley to County Line

AM Time	Monday 10/29/18					Tuesday 10/30/18					Wednesday 10/31/18					Thursday 11/01/18					Friday 11/02/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500																\$6.55	392	1,089	1,481	E	\$3.95	366	754	1,120	C
0500 - 0600																\$16.90	442	737	1,179	C	\$7.90	424	1,103	1,527	E
0600 - 0700																\$15.15	344	957	1,301	D	\$7.15	385	1,138	1,523	E
0700 - 0800																\$10.90	344	1,211	1,555	E	\$6.70	317	1,163	1,480	E
0800 - 0900																\$7.90	189	1,244	1,433	E	\$5.15	190	967	1,157	C
0900 - 1000																\$3.95	175	1,333	1,508	E	\$4.05	148	742	890	C

AM Time	Monday 11/05/18					Tuesday 11/06/18					Wednesday 11/07/18					Thursday 11/08/18					Friday 11/09/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$6.55	395	984	1,379	F	\$6.55	398	1,098	1,496	F	\$6.55	392	1,105	1,497	F	\$6.55	389	945	1,334	E	\$3.95	383	789	1,172	D
0500 - 0600	\$17.90	548	867	1,415	F	\$16.15	566	870	1,436	F	\$17.15	480	662	1,142	D	\$16.90	474	720	1,194	D	\$7.90	455	1,025	1,480	F
0600 - 0700	\$16.55	326	785	1,111	D	\$16.15	356	885	1,241	E	\$15.15	404	970	1,374	F	\$15.15	427	964	1,391	F	\$7.15	401	1,207	1,608	F
0700 - 0800	\$11.90	339	1,213	1,552	F	\$11.90	322	1,324	1,646	F	\$12.65	380	1,343	1,723	F	\$10.90	363	1,555	1,918	F	\$6.70	319	1,092	1,411	F
0800 - 0900	\$7.15	221	1,397	1,618	F	\$7.15	199	1,273	1,472	F	\$7.15	224	1,322	1,546	F	\$7.90	221	1,335	1,556	F	\$5.15	212	1,017	1,229	E
0900 - 1000	\$4.05	183	1,057	1,240	E	\$5.05	172	1,219	1,391	F	\$3.95	150	1,017	1,167	D	\$3.95	186	1,090	1,276	E	\$4.05	164	740	904	C

AM Time	Monday 11/12/18					Tuesday 11/13/18					Wednesday 11/14/18					Thursday 11/15/18					Friday 11/16/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$6.55	236	696	932	C	\$6.55	367	1,019	1,386	F	\$6.55	446	1,073	1,519	F	\$6.55	426	1,053	1,479	F	\$3.95	384	693	1,077	D
0500 - 0600	\$18.90	340	583	923	C	\$17.45	569	834	1,403	F	\$18.45	490	655	1,145	D	\$18.20	501	704	1,205	E	\$7.90	484	1,092	1,576	F
0600 - 0700	\$17.55	229	679	908	C	\$17.15	349	765	1,114	D	\$16.15	409	963	1,372	F	\$16.15	387	933	1,320	E	\$7.15	390	1,151	1,541	F
0700 - 0800	\$13.20	231	753	984	C	\$13.20	335	1,192	1,527	F	\$13.95	335	1,274	1,609	F	\$12.20	341	1,292	1,633	F	\$6.70	301	1,146	1,447	F
0800 - 0900	\$8.45	192	765	957	C	\$8.45	240	1,368	1,608	F	\$8.45	249	1,287	1,536	F	\$9.20	252	1,272	1,524	F	\$5.15	213	1,088	1,301	E
0900 - 1000	\$4.05	210	702	912	C	\$5.05	183	1,175	1,358	F	\$3.95	166	981	1,147	D	\$3.95	192	1,178	1,370	F	\$4.05	140	760	900	C

AM Time	Monday 11/19/18					Tuesday 11/20/18					Wednesday 11/21/18					Thursday 11/22/18					Friday 11/23/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$6.55	418	1,116	1,534	F	\$6.55	380	1,077	1,457	F	\$7.45	402	701	1,103	D	\$1.50	13	30	43	A	\$1.50	40	70	110	A
0500 - 0600	\$18.90	529	900	1,429	F	\$17.45	587	995	1,582	F	\$6.70	445	1,090	1,535	F	\$1.50	22	39	61	A	\$1.50	71	132	203	A
0600 - 0700	\$17.55	321	900	1,221	E	\$17.15	280	836	1,116	D	\$6.70	324	977	1,301	E	\$1.50	22	52	74	A	\$1.50	54	202	256	A
0700 - 0800	\$13.20	307	1,213	1,520	F	\$13.20	307	1,154	1,461	F	\$6.70	257	970	1,227	E	\$1.50	44	80	124	A	\$1.50	77	237	314	A
0800 - 0900	\$8.45	250	1,262	1,512	F	\$8.45	250	1,233	1,483	F	\$4.05	222	878	1,100	D	\$1.50	74	136	210	A	\$1.50	108	275	383	A
0900 - 1000	\$4.05	215	997	1,212	E	\$5.05	199	918	1,117	D	\$2.20	197	659	856	C	\$2.20	142	215	357	A	\$2.20	145	322	467	B

AM Time	Monday 11/26/18					Tuesday 11/27/18					Wednesday 11/28/18					Thursday 11/29/18					Friday 11/30/18				
	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$6.55	436	1,112	1,548	F	\$6.55	410	1,032	1,442	F	\$6.55	403	1,146	1,549	F	\$6.55	376	1,045	1,421	F	\$3.95	375	742	1,117	D
0500 - 0600	\$18.90	553	922	1,475	F	\$17.45	590	875	1,465	F	\$18.45	526	712	1,238	E	\$18.20	421	648	1,069	D	\$7.90	461	981	1,442	F
0600 - 0700	\$17.55	337	890	1,227	E	\$17.15	318	736	1,054	D	\$16.15	403	1,113	1,516	F	\$16.15	329	904	1,233	E	\$7.15	399	1,146	1,545	F
0700 - 0800	\$13.20	335	1,164	1,499	F	\$13.20	361	1,189	1,550	F	\$13.95	363	1,256	1,619	F	\$12.20	314	1,071	1,385	F	\$6.70	302	1,135	1,437	F
0800 - 0900	\$8.45	242	1,357	1,599	F	\$8.45	242	1,402	1,644	F	\$8.45	253	1,390	1,643	F	\$9.20	226	1,149	1,375	F	\$5.15	200	1,111	1,311	E
0900 - 1000	\$4.05	160	1,037	1,197	D	\$5.05	174	1,252	1,426	F	\$3.95	170	1,175	1,345	E	\$3.95	172	1,173	1,345	E	\$4.05	133	773	906	C

91 Express Lanes November 2018 Status Report
Issued December 14, 2018

Westbound AM Peak - I-15 North to County Line

	Monday10/29/18					Tuesday10/30/18					Wednesday10/31/18					Thursday11/01/18					Friday11/02/18				
AM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500																\$5.05	245	713	958	C	\$2.85	190	613	803	C
0500 - 0600																\$12.40	374	1,083	1,457	E	\$5.15	235	1,009	1,244	D
0600 - 0700																\$13.40	368	1,024	1,392	D	\$6.65	281	917	1,198	C
0700 - 0800																\$10.40	223	1,156	1,379	D	\$5.15	174	870	1,044	C
0800 - 0900																\$6.65	136	1,075	1,211	D	\$5.15	118	831	949	C
0900 - 1000																\$5.15	112	864	976	C	\$2.85	112	629	741	B

	Monday 11/05/18					Tuesday 11/06/18					Wednesday 11/07/18					Thursday 11/08/18					Friday 11/09/18				
AM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$5.05	260	813	1,073	D	\$5.05	272	772	1,044	D	\$5.05	254	730	984	C	\$5.05	252	722	974	C	\$2.85	180	634	814	C
0500 - 0600	\$16.40	375	975	1,350	E	\$14.40	340	1,029	1,369	E	\$14.40	381	1,065	1,446	F	\$12.40	365	1,061	1,426	F	\$5.15	322	990	1,312	E
0600 - 0700	\$15.40	321	1,070	1,391	E	\$13.40	348	1,091	1,439	F	\$15.40	339	981	1,320	E	\$13.40	374	1,006	1,380	E	\$6.65	293	945	1,238	E
0700 - 0800	\$11.40	250	1,163	1,413	F	\$9.40	243	1,198	1,441	F	\$11.40	245	1,233	1,478	F	\$10.40	241	1,249	1,490	F	\$5.15	168	884	1,052	D
0800 - 0900	\$6.50	154	1,200	1,354	E	\$6.50	180	1,269	1,449	F	\$6.50	139	1,150	1,289	E	\$6.65	134	1,104	1,238	E	\$5.15	114	813	927	C
0900 - 1000	\$5.05	103	862	965	C	\$5.15	104	966	1,070	D	\$5.15	102	841	943	C	\$5.15	120	882	1,002	D	\$2.85	88	563	651	B

	Monday 11/12/18					Tuesday 11/13/18					Wednesday 11/14/18					Thursday 11/15/18					Friday 11/16/18				
AM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$5.05	158	458	616	B	\$5.05	274	795	1,069	D	\$5.05	257	738	995	C	\$5.05	262	725	987	C	\$2.85	220	644	864	C
0500 - 0600	\$17.40	216	666	882	C	\$15.40	355	1,029	1,384	E	\$15.70	324	1,029	1,353	E	\$13.70	378	1,107	1,485	F	\$5.15	283	1,016	1,299	E
0600 - 0700	\$16.40	201	800	1,001	D	\$14.70	367	1,107	1,474	F	\$16.70	352	1,050	1,402	F	\$14.70	337	1,055	1,392	E	\$6.65	300	871	1,171	D
0700 - 0800	\$12.40	123	645	768	B	\$10.70	265	1,185	1,450	F	\$12.70	245	1,232	1,477	F	\$11.70	241	1,168	1,409	F	\$5.15	179	930	1,109	D
0800 - 0900	\$8.55	109	594	703	B	\$8.55	155	1,195	1,350	E	\$8.55	125	1,027	1,152	D	\$6.65	140	1,058	1,198	D	\$5.15	108	787	895	C
0900 - 1000	\$5.05	137	507	644	B	\$5.15	118	875	993	C	\$5.15	121	827	948	C	\$5.15	93	877	970	C	\$2.85	90	596	686	B

	Monday 11/19/18					Tuesday 11/20/18					Wednesday 11/21/18					Thursday 11/22/18					Friday 11/23/18				
AM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$5.05	261	774	1,035	D	\$5.05	273	712	985	C	\$5.15	229	589	818	C	\$1.90	26	22	48	A	\$1.90	29	63	92	A
0500 - 0600	\$17.40	366	969	1,335	E	\$15.40	382	991	1,373	E	\$8.55	332	811	1,143	D	\$1.90	18	49	67	A	\$1.90	42	125	167	A
0600 - 0700	\$16.40	300	1,154	1,454	F	\$14.70	280	1,073	1,353	E	\$5.15	215	884	1,099	D	\$1.90	16	54	70	A	\$1.90	57	124	181	A
0700 - 0800	\$12.40	220	1,165	1,385	E	\$10.70	189	928	1,117	D	\$2.85	141	758	899	C	\$1.90	31	67	98	A	\$1.90	47	130	177	A
0800 - 0900	\$8.55	173	1,015	1,188	D	\$8.55	162	860	1,022	D	\$2.85	112	692	804	C	\$1.90	61	114	175	A	\$1.90	43	213	256	A
0900 - 1000	\$5.05	154	618	772	B	\$5.15	147	665	812	C	\$2.85	95	468	563	B	\$1.90	121	217	338	A	\$1.90	105	288	393	A

	Monday 11/26/18					Tuesday 11/27/18					Wednesday 11/28/18					Thursday 11/29/18					Friday 11/30/18				
AM Time	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS	Price	HOV	SOV	Vol.	LOS
0400 - 0500	\$5.05	276	825	1,101	D	\$5.05	258	742	1,000	C	\$5.05	269	768	1,037	D	\$5.05	245	672	917	C	\$2.85	220	606	826	C
0500 - 0600	\$17.40	375	1,000	1,375	E	\$15.40	412	1,049	1,461	F	\$15.70	357	1,050	1,407	F	\$13.70	300	1,057	1,357	E	\$5.15	306	893	1,199	D
0600 - 0700	\$16.40	312	1,103	1,415	F	\$14.70	330	1,132	1,462	F	\$16.70	345	994	1,339	E	\$14.70	324	981	1,305	E	\$6.65	267	805	1,072	D
0700 - 0800	\$12.40	211	1,068	1,279	E	\$10.70	237	1,125	1,362	E	\$12.70	242	1,181	1,423	F	\$11.70	189	868	1,057	D	\$5.15	159	874	1,033	D
0800 - 0900	\$8.55	154	989	1,143	D	\$8.55	151	1,198	1,349	E	\$8.55	173	1,116	1,289	E	\$6.65	117	932	1,049	D	\$5.15	136	855	991	C
0900 - 1000	\$5.05	123	727	850	C	\$5.15	102	795	897	C	\$5.15	118	833	951	C	\$5.15	57	443	500	B	\$2.85	97	601	698	B

91 Express Lanes November 2018 Status Report
Issued December 14, 2018

Westbound AM Peak Total

	Monday 10/29/18			Tuesday 10/30/18			Wednesday 10/31/18			Thursday 11/01/18			Friday 11/02/18		
AM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
0400 - 0500										637	1,802	2,439	556	1,367	1,923
0500 - 0600										816	1,820	2,636	659	2,112	2,771
0600 - 0700										712	1,981	2,693	666	2,055	2,721
0700 - 0800										567	2,367	2,934	491	2,033	2,524
0800 - 0900										325	2,319	2,644	308	1,798	2,106
0900 - 1000										287	2,197	2,484	260	1,371	1,631

	Monday 11/05/18			Tuesday 11/06/18			Wednesday 11/07/18			Thursday 11/08/18			Friday 11/09/18		
AM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
0400 - 0500	655	1,797	2,452	670	1,870	2,540	646	1,835	2,481	641	1,667	2,308	563	1,423	1,986
0500 - 0600	923	1,842	2,765	906	1,899	2,805	861	1,727	2,588	839	1,781	2,620	777	2,015	2,792
0600 - 0700	647	1,855	2,502	704	1,976	2,680	743	1,951	2,694	801	1,970	2,771	694	2,152	2,846
0700 - 0800	589	2,376	2,965	565	2,522	3,087	625	2,576	3,201	604	2,804	3,408	487	1,976	2,463
0800 - 0900	375	2,597	2,972	379	2,542	2,921	363	2,472	2,835	355	2,439	2,794	326	1,830	2,156
0900 - 1000	286	1,919	2,205	276	2,185	2,461	252	1,858	2,110	306	1,972	2,278	252	1,303	1,555

	Monday 11/12/18			Tuesday 11/13/18			Wednesday 11/14/18			Thursday 11/15/18			Friday 11/16/18		
AM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
0400 - 0500	394	1,154	1,548	641	1,814	2,455	703	1,811	2,514	688	1,778	2,466	604	1,337	1,941
0500 - 0600	556	1,249	1,805	924	1,863	2,787	814	1,684	2,498	879	1,811	2,690	767	2,108	2,875
0600 - 0700	430	1,479	1,909	716	1,872	2,588	761	2,013	2,774	724	1,988	2,712	690	2,022	2,712
0700 - 0800	354	1,398	1,752	600	2,377	2,977	580	2,506	3,086	582	2,460	3,042	480	2,076	2,556
0800 - 0900	301	1,359	1,660	395	2,563	2,958	374	2,314	2,688	392	2,330	2,722	321	1,875	2,196
0900 - 1000	347	1,209	1,556	301	2,050	2,351	287	1,808	2,095	285	2,055	2,340	230	1,356	1,586

	Monday 11/19/18			Tuesday 11/20/18			Wednesday 11/21/18			Thursday 11/22/18			Friday 11/23/18		
AM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
0400 - 0500	394	1,154	1,548	641	1,814	2,455	703	1,811	2,514	688	1,778	2,466	604	1,337	1,941
0500 - 0600	556	1,249	1,805	924	1,863	2,787	814	1,684	2,498	879	1,811	2,690	767	2,108	2,875
0600 - 0700	430	1,479	1,909	716	1,872	2,588	761	2,013	2,774	724	1,988	2,712	690	2,022	2,712
0700 - 0800	354	1,398	1,752	600	2,377	2,977	580	2,506	3,086	582	2,460	3,042	480	2,076	2,556
0800 - 0900	301	1,359	1,660	395	2,563	2,958	374	2,314	2,688	392	2,330	2,722	321	1,875	2,196
0900 - 1000	347	1,209	1,556	301	2,050	2,351	287	1,808	2,095	285	2,055	2,340	230	1,356	1,586

	Monday 11/26/18			Tuesday 11/27/18			Wednesday 11/28/18			Thursday 11/29/18			Friday 11/30/18		
AM Time	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.	HOV	SOV	Vol.
0400 - 0500	712	1,937	2,649	668	1,774	2,442	672	1,914	2,586	621	1,717	2,338	595	1,348	1,943
0500 - 0600	928	1,922	2,850	1,002	1,924	2,926	883	1,762	2,645	721	1,705	2,426	767	1,874	2,641
0600 - 0700	649	1,993	2,642	648	1,868	2,516	748	2,107	2,855	653	1,885	2,538	666	1,951	2,617
0700 - 0800	546	2,232	2,778	598	2,314	2,912	605	2,437	3,042	503	1,939	2,442	461	2,009	2,470
0800 - 0900	396	2,346	2,742	393	2,600	2,993	426	2,506	2,932	343	2,081	2,424	336	1,966	2,302
0900 - 1000	283	1,764	2,047	276	2,047	2,323	288	2,008	2,296	229	1,616	1,845	230	1,374	1,604

2.2e Violation Collection

“Customers” are FasTrak account holders with any FasTrak toll facility in California; “Non-customer Violations” are considered true violators who travel the 91 Express Lanes without a valid FasTrak account.

2.3 Multi Agency Traffic Statistics for the Month of November 2018

MULTI AGENCY TRIP AND REVENUE STATISTICS

MONTH ENDING November 30, 2018

Nov-18 MTD	Transactions by Agency	Transactions Using Both Segments	% Using Both Segments	Revenue
Westbound				
OCTA	684,793	429,667	63%	\$ 1,735,050
RCTC	659,672	429,667	65%	\$ 2,803,117
I-15	284,743	193,709	68%	\$ 1,266,792
McKinley	374,929	235,958	63%	\$ 1,536,325
Eastbound				
OCTA	730,551	398,432	55%	\$ 2,520,176
RCTC	567,213	398,432	70%	\$ 1,637,275
I-15	203,975	157,960	77%	\$ 438,546
McKinley	363,238	240,472	66%	\$ 1,198,729

2.4 Customer Service and Violation Processing

2.4a Performance Measures

2.4b Incoming Call Activity

2.4c Transponder Distribution

. 2.4d Transponder Inventory

2.4e Incoming Email Activity

2.4f Complaints

Refer to Attachment A4 for OCTA – Toll Credits Relative to Traffic Congestion.
Refer to Attachment B4 for RCTC – Toll Credits Relative to Traffic Congestion.

2.5 Operations Highlights

Note: Mileage data recorded as of June, 2017

2.5e Finance and Administration

Wire-Transfer Requests Issued for October/November 2018

3. PROJECTS UPDATE

4. STAFFING

5. ATTACHMENTS

5.1a OCTA

- A1 Traffic Volume & Associated Potential Revenue; Most Recent 13-Month Period
- A2 Global Demand 91 Express Lanes vs. SR91 Mainline for the current month
- A3 Eastbound Weekday Peak Volumes for Determining Toll Adjustments
- A4 Toll Credits Relative to Traffic Congestion; Most Recent 6-Month Period

5.1b RCTC

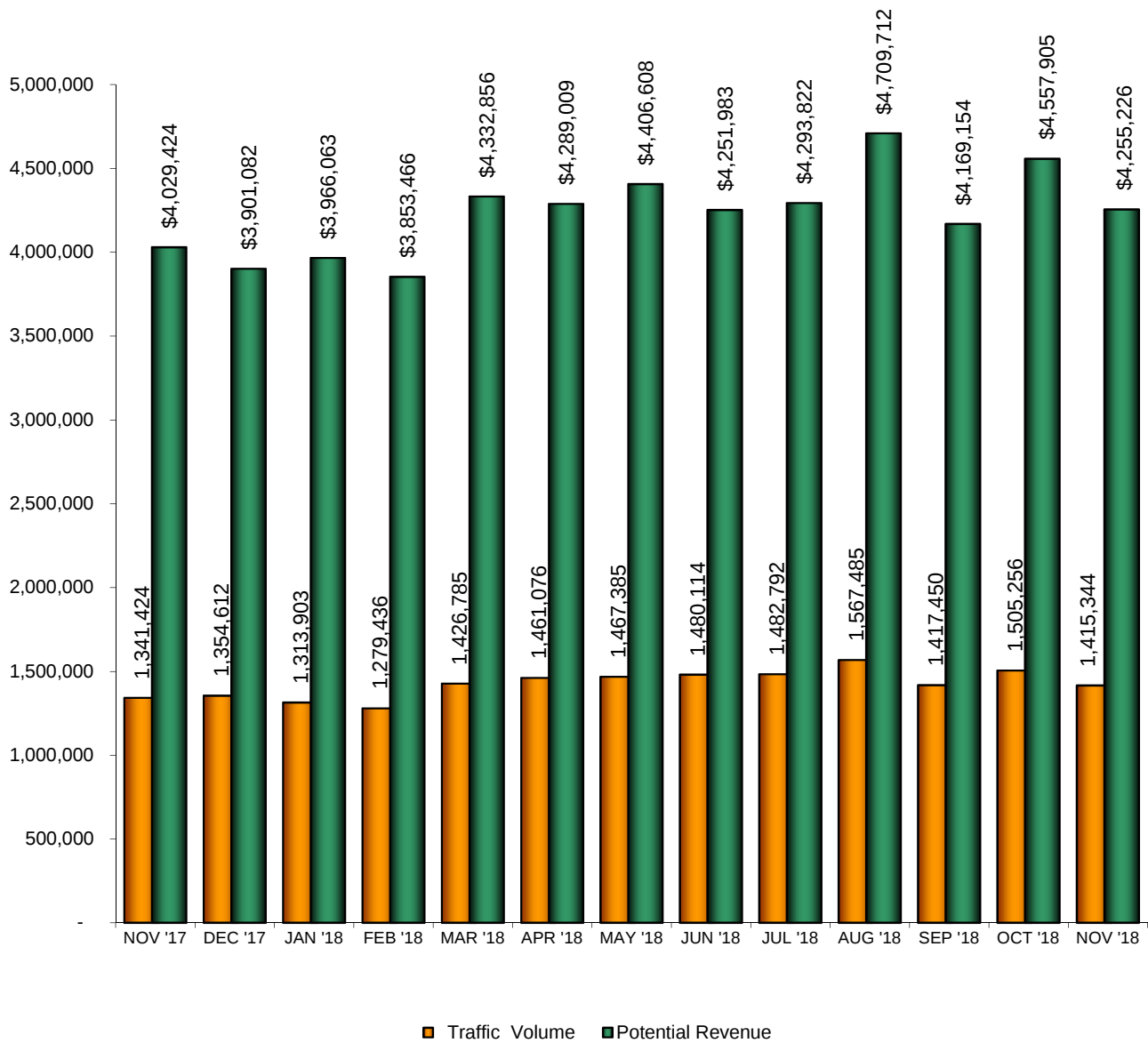
- B1 Traffic Volume & Associated Potential Revenue
- B2 Global Demand 91 Express Lanes vs. SR91 Mainline for the current month
- B3.1–3.2 Eastbound Peak Volumes for Determining Toll Adjustments
- B3.3–3.4 Westbound Peak Volumes for Determining Toll Adjustment
- B4 Toll Credits Relative to Traffic Congestion

5.1c Combined Agencies

- C1 Transponder Distribution; Most Recent 13-Month Period
- C2 Active Accounts & Transponders Assigned; Most Recent 13-Month Period
- C3 Customer Communication Channel; Most Recent 13-Month Period

OCTA TRAFFIC VOLUME AND ASSOCIATED POTENTIAL REVENUE

Most-recent 13-month Period
November 2017 through November 2018



GLOBAL DEMAND

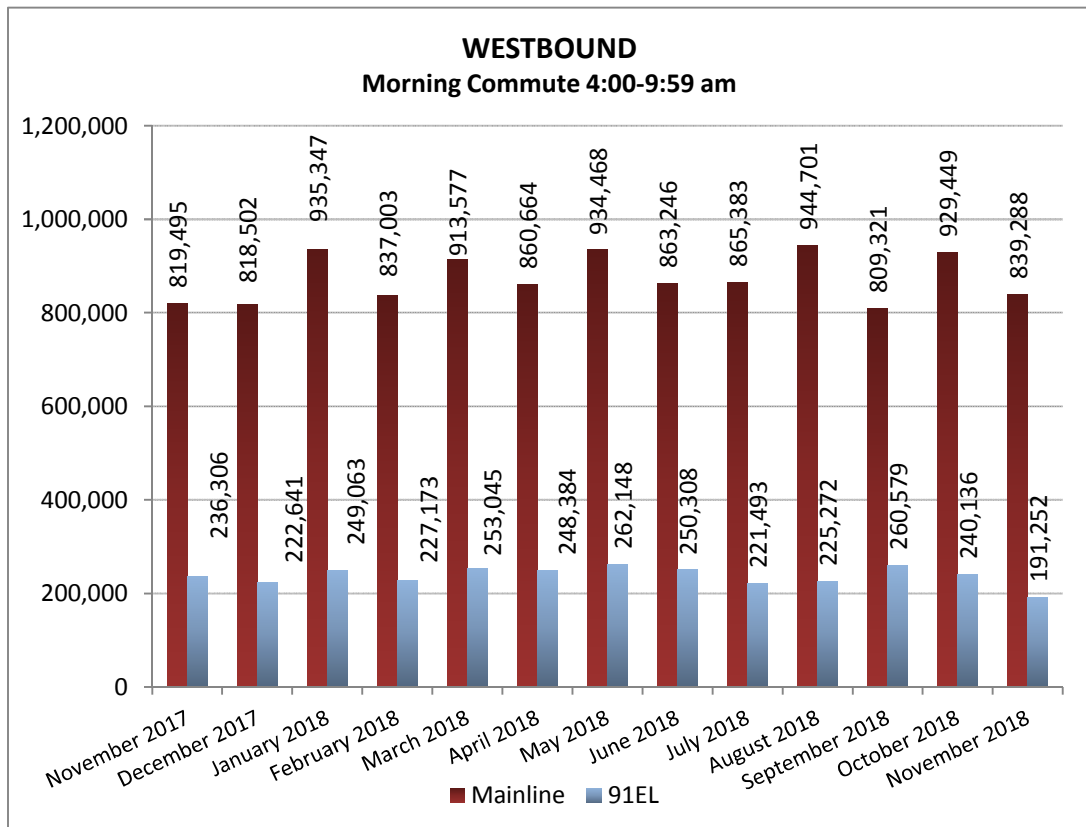
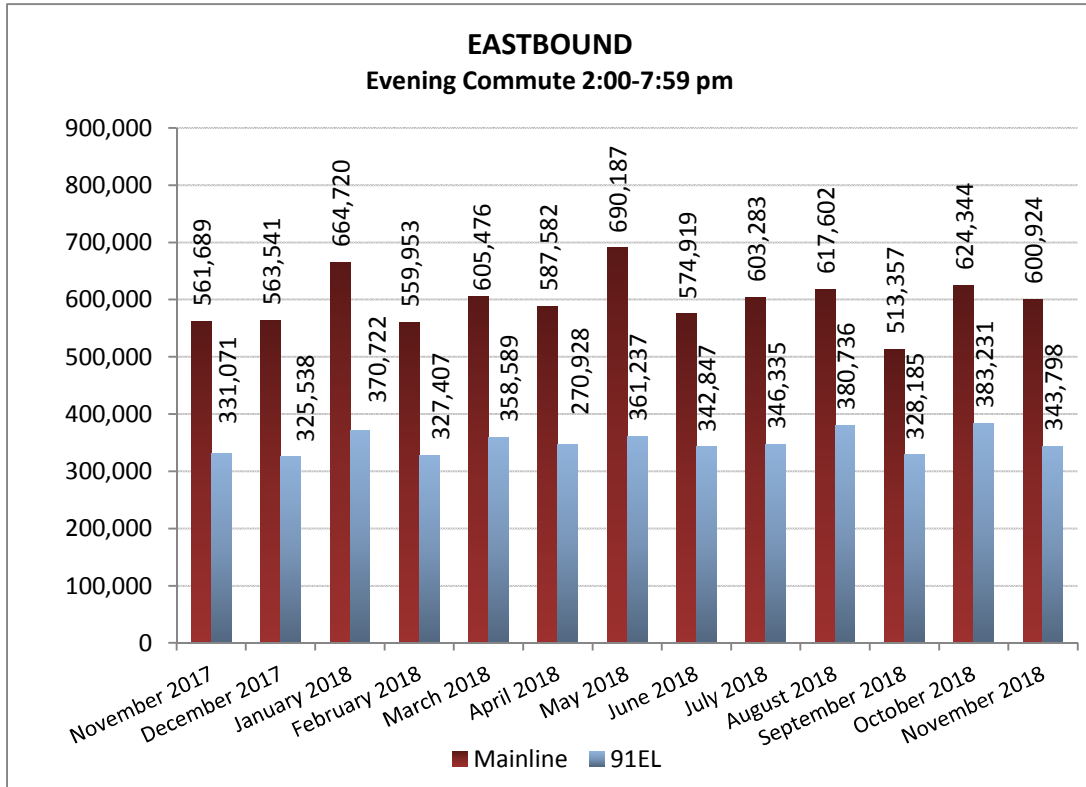
91 EXPRESS LANES vs. SR91 MAINLINE

ATTACHMENT A2

The Total Combined Facility is made up of six lanes in each direction. The 91 Express Lanes provides commuters 33% of those lanes.

November 2018

1,975,262





OCTA WEEKDAY PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

CR = Congestion-relief Adjustment in place - 6-month freeze on any increase
COLA = Cost of Living Adjustment implemented July 1 each FY. No freeze on future adjustments.
Week containing a Holiday toll adjustment
Week containing a traffic anomaly, major incident or accident
12-week period selected for Congestion-relief Adjustment at beginning of next Quarter
Most recent 12-consecutive-week period (excluding weeks containing Holidays or Traffic Anomalies)

Traffic volume > 3,128 is flagged for review. When flagged hours occur 6 or more times during the most recent 12-week period and the average flagged-volume is > 3,128, the toll for that day and time will be increased as follows:
= to or < 2,720 previously adjusted hour flagged for possible .50¢ toll reduction
2,721 through 3,127 not flagged for adjustment
= to or > 3,128 flag for qualifying hours for possible toll increase
3,200 - 3,299 Eligible for .75¢ increase
= to or > 3,300 Eligible for \$1.00 increase

ATTACHMENT A3

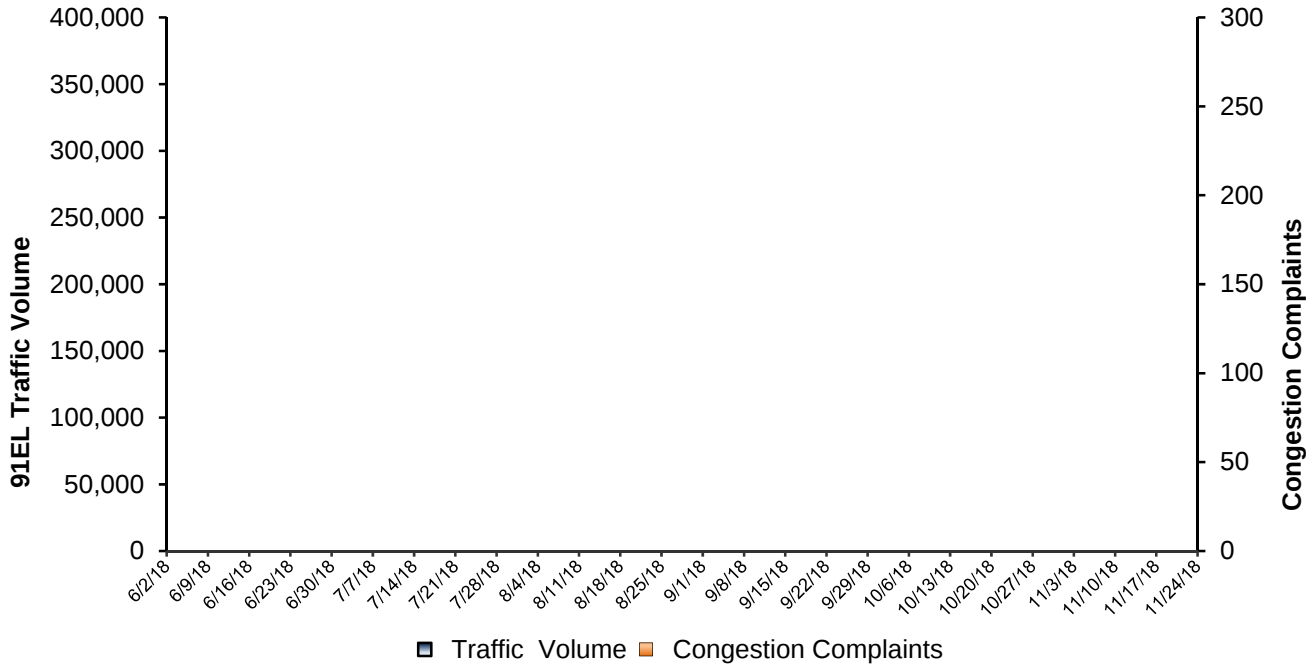
FY 2018-19 Congestion-relief Toll Adjustments
July 1, 2018 Hours received a COLA adjustment for this Quarter
October 1, 2018 5 Hours received adjustments for this Quarter
January 1, 2019
April 1, 2019

FY Week	#	MONDAY						TUESDAY						WEDNESDAY						THURSDAY						FRIDAY					
		2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00
35	Feb 19-23	2,081	2,680	2,294	2,210	1,507	1,131	2,747	3,115	2,561	2,963	2,870	2,306	2,834	3,123	2,604	2,910	3,022	2,214	3,035	3,086	2,617	2,795	3,018	2,322	3,123	2,624	2,728	2,906	2,718	2,215
36	Feb 26-Mar 2	2,429	3,159	2,800	2,865	2,863	1,909	2,535	3,182	2,595	2,860	2,805	1,740	2,959	3,176	2,353	2,971	2,511	3,075	3,211	2,493	2,849	2,846	2,736	3,339	2,776	2,843	2,904	2,208	1,877	
37	Mar 5-9	2,449	2,954	2,465	2,977	3,123	1,810	2,615	3,089	2,644	2,895	2,911	2,462	2,899	3,327	2,657	2,973	2,993	2,410	3,055	3,063	2,594	2,753	2,942	2,895	3,309	2,807	2,940	2,877	2,705	2,105
38	Mar 12-16	2,501	3,057	2,078	2,153	3,012	1,722	2,691	2,833	2,555	2,853	2,855	2,500	2,749	3,262	2,662	2,877	2,759	1,994	2,950	3,100	2,543	2,851	2,831	2,447	3,310	2,644	2,650	2,722	2,991	2,021
39	Mar 19-23	2,375	3,215	2,848	2,953	2,758	1,695	2,556	3,168	2,570	3,051	2,954	2,149	2,846	3,271	2,480	2,957	2,379	1,661	2,818	2,906	2,573	2,429	2,085	1,602	3,247	2,655	2,689	2,902	2,616	2,010
40	Apr 2-6	2,436	3,184	2,875	2,617	2,095	1,460	2,850	3,009	2,451	2,978	2,804	2,206	2,881	2,899	2,617	2,953	2,977	2,636	3,028	2,984	2,500	2,834	3,044	2,374	3,279	2,706	2,721	2,962	2,302	1,817
41	Apr 9-13	2,614	3,075	2,787	3,035	2,797	1,705	2,798	3,138	2,617	3,049	2,987	2,206	2,879	2,666	2,689	2,987	2,959	2,701	2,867	2,917	2,781	3,279	2,741	2,725	2,755	2,880	2,210			
42	Apr 16-20	2,519	3,067	2,985	3,024	2,681	1,698	2,841	3,097	2,657	3,092	2,839	1,986	2,595	3,251	3,121	2,973	2,094	3,085	3,262	2,559	2,888	2,962	2,056	3,279	2,741	2,725	2,755	2,880	2,210	
43	Apr 23-27	2,457	2,968	2,964	2,914	2,556	1,530	2,832	3,010	2,460	3,016	2,818	2,176	2,964	3,251	2,451	2,922	3,182	2,173	3,257	3,070	2,577	2,738	3,029	2,522	3,295	2,648	2,674	2,976	2,577	1,906
44	Apr 30-May 4	2,584	3,024	2,941	3,104	2,271	1,545	2,920	3,163	2,555	2,955	2,688	1,624	2,829	3,024	2,550	3,101	2,776	1,655	3,282	3,017	2,512	2,869	2,867	2,330	3,276	2,567	2,380	2,426	2,993	1,863
45	May 7-11	2,590	3,112	3,073	2,825	2,322	1,518	2,565	3,174	2,543	2,902	2,944	1,947	2,947	3,175	2,332	2,833	2,980	2,207	3,101	3,257	2,799	2,880	2,874	2,386	3,252	2,883	2,969	2,889	2,231	1,881
46	May 14-18	2,432	2,974	2,923	2,943	2,493	1,513	2,726	2,930	2,607	2,903	3,032	2,066	2,847	2,883	2,632	2,980	3,052	2,101	3,069	3,213	2,660	2,844	3,190	2,373	3,302	2,706	2,720	2,832	2,707	1,899
47	May 21-25	2,400	3,055	3,085	3,010	2,228	1,272	2,866	3,409	2,675	2,971	2,674	1,811	2,824	3,101	2,439	2,867	3,100	2,094	3,243	3,245	2,804	2,970	2,975	2,047	3,341	2,887	2,776	2,560	2,317	1,761
48	May 28-Jun 1	916	999	937	911	852	924	2,935	3,123	2,667	2,985	2,901	1,930	2,844	3,371	2,575	2,973	2,910	1,929	3,126	3,047	2,555	2,975	3,051	2,192	3,248	2,674	2,739	2,894	2,336	1,912
49	Jun 4-8	2,520	2,976	2,778	2,945	2,554	1,702	2,841	2,959	2,528	2,885	2,968	2,169	2,905	3,341	2,527	2,888	2,836	1,872	3,126	3,047	2,548	2,744	2,852	2,419	3,277	2,733	2,814	2,812	2,745	1,836
50	Jun 11-15	2,479	3,076	2,981	2,916	2,694	1,914	2,655	3,025	2,516	2,880	2,884	2,244	2,742	3,337	2,661	2,774	2,980	2,178	2,777	3,026	2,538	2,841	2,948	2,373	3,332	2,638	2,669	2,925	2,678	1,979
51	Jun 18-22	2,527	3,010	2,803	2,546	2,806	1,609	2,794	2,939	2,485	2,896	3,022	2,133	2,747	3,254	2,190	2,903	3,062	2,552	3,139	2,930	2,458	2,791	2,976	2,749	3,301	2,764	2,665	2,592	2,689	2,019
52	Jun 25-29	2,429	2,832	2,937	2,937	2,820	1,849	2,841	3,131	2,668	2,932	2,867	1,438	2,842	3,325	2,560	2,793	2,952	2,220	2,973	2,957	2,688	3,029	2,550	2,564	3,213	2,602	2,621	2,831	2,827	2,049
1	Jul 2-6	2,429	2,880	2,902	3,013	2,415	1,677	3,242	2,851	2,646	3,011	2,760	1,960	2,857	3,171	2,616	2,552	2,628	2,695	2,816	2,915	2,746	2,213	2,333	1,661	3,155	2,543	2,550	2,458	2,124	1,672
2	Jul 9-13	2,534	3,151	2,905	3,012	2,520	1,766	2,834	2,730	3,132	2,414	2,932	2,378	2,902	3,177	2,821	2,533	3,179	2,121	3,174	2,625	2,991	2,531	2,977	2,387	3,259	2,600	2,670	2,943	2,667	2,059
3	Jul 16-20	2,272	3,121	2,854	2,860	2,728	1,900	2,734	2,861	3,257	2,512	2,945	2,316	2,768	3,132	2,812	2,553	2,816	2,671	3,087	2,998	2,864	2,542	2,896	2,551	3,260	2,651	2,707	2,828	2,574	1,993
4	Jul 23-27	2,692	3,184	2,721	3,032	2,901	1,875	2,747	2,702	3,041	2,493	2,977	2,259	2,973	3,132	2,760	2,485	2,893	2,472	3,105	2,960	2,915	2,392	2,908	2,534	3,222	2,636	2,903	2,887	2,400	2,034
5	Jul 30-Aug 3	2,640	2,878	2,842	3,031	2,831	1,879	2,949	2,800	2,698	3,163	2,510	2,958	2,477	3,108	2,227	2,477	3,108	2,227	3,254	3,163	2,918	2,850	2,390	2,681	3,262	2,871	2,681	2,828	2,727	2,059
6	Aug 6-10	2,636	3,061	2,825	3,036	2,468	2,263	2,869	2,890	3,047	2,514	2,835	2,490	2,936	3,238	2,749	2,548	3,003	2,474	3,176	3,094	3,109	2,565	3,037	2,017	3,295	2,532	2,650	2,644	2,689	2,091
7	Aug 13-17	2,610	2,927	2,802	2,847	2,984	1,840	2,949	2,735	3,255	2,689	2,902	2,514	3,129	2,742	2,608	2,412	2,910	2,562	3,239	3,193	3,002	2,429	2,934	2,345	3,241	2,674	2,714	2,839	2,788	2,047
8	Aug 20-24	2,637	3,137	2,898	2,944	2,992	2,292	2,907	2,766	3,023	2,456	2,794	2,503	2,978	3,111	2,850	2,666	2,952	2,385	3,158	2,987	2,963	2,654	2,902	2,478	3,194	2,618	2,665	2,617	2,797	1,876
9	Aug 27-31	2,503	2,858	2,858	2,988	2,891	2,231	2,740	2,682	3,279	2,468	2,929	2,379	2,864	3,147	2,805	2,634	2,959	2,547	3,174	3,075	3,167	2,565	2,842	2,630	3,290	2,720	2,381	2,645	2,693	2,002
10	Sep 3-7	941	945	933	879	919	1,012	2,811	2,749	2,944	2,559	2,970	2,201	2,989	3,143	2,790	2,486	3,130	2,415	3,158	3,051	3,002	2,432	2,783	2,308	3,338	2,611	2,773	2,811	2,794	1,792
11	Sep 10-14	2,472	3,034	2,885	3,018	2,798	1,735	2,753	2,806	3,231	2,669	2,980	2,029	2,905	3,098	2,652	2,633	2,987	2,633	3,175	3,109	2,830	2,446	2,855	2,656	3,322	2,775	2,867	3,091	2,995	2,435
12	Sep 17-21	2,585	3,097	2,879	2,872	2,825	1,896	2,789	2,318	3,235	2,734	2,908	2,745	2,962	3,302	3,041	2,635	2,930	2,474	3,169	3,007	2,854	2,508	3,141	2,682	3,310	2,642	2,732	2,732	2,435	
13	Sep 24-28	2,572	3,075	3,005	3,014	2,709	1,918	2,735	2,835	3,436	2,663	3,106	2,558	2,991	3,265	3,079	2,639	2,686	2,810	3,287	3,234	3,023	2,567	2,896	2,502	2,912	2,626	2,727	2,875	2,923	2,341
14	Oct 1-5	2,476	2,884	3,036	3,204	2,401	1,755	2,844	2,891	2,985	2,952	2,878	2,386	2,893	3,341	2,961	2,592	3,023	1,993	3,150	3,039	2,574	2,767	2,847	2,865	3,503	2,833	3,032	2,811	2,811	2,147
15	Oct 8-12	2,555	2,898	2,838	3,019	2,442	1,726	2,923	2,820	3,017	2,858	2,987	2,467	2,990	3,184	2,915	2,626	2,922	2,550	3,311	3,056	2,592	2,889	2,910	2,674	3,569	2,709	2,792	2,856	2,734	2,329
16	Oct 15-19	2,435	2,942	2,943	2,987	2,645	1,702	2,825	2,456	2,915	3,125	3,106	2,185	3,011	3,166	2,920	2,514	3,036	2,198	3,303	3,106	2,502	2,880	3,071	2,453	3,324	2,675	2,933	2,957	2,666	2,305
17	Oct 22-26	2,564	3,051	2,948	3,048	2,676	1,751	2,928	2,849	2,861	3,151	3,024	2,323	3,075	3,219	2,548	2,593	2,945	2,565	2,701	3,271	2,554	2,939	2,979	2,513	3,491	2,906	2			
18	Oct 29-Nov 2	2,589	3,195	2,919	2,876	2,844	2,095	2,875	2,715	2,994	2,982	3,002	2,514	3,215	3,230	2,915	3,003	3,085	1,573	3,307	3,455	2,810	2,833	2,848	2,289	3,395	2,841	2,735	2,896	2,946	2,388
19	Nov 5-9	2,650	3,077	2,946	3,165	2,832	2																								

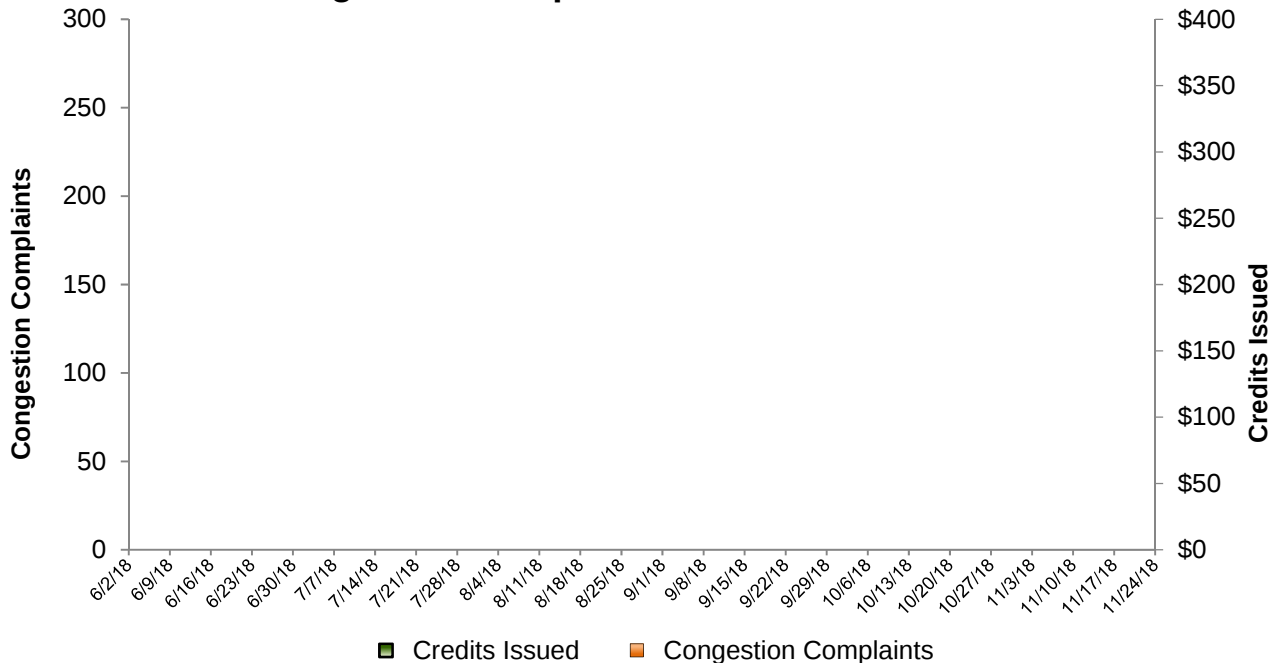
OCTA's Most Recent 6-Month Period
June 2018 through November 2018

ATTACHMENT A4

Traffic Volume vs Congestion Complaints

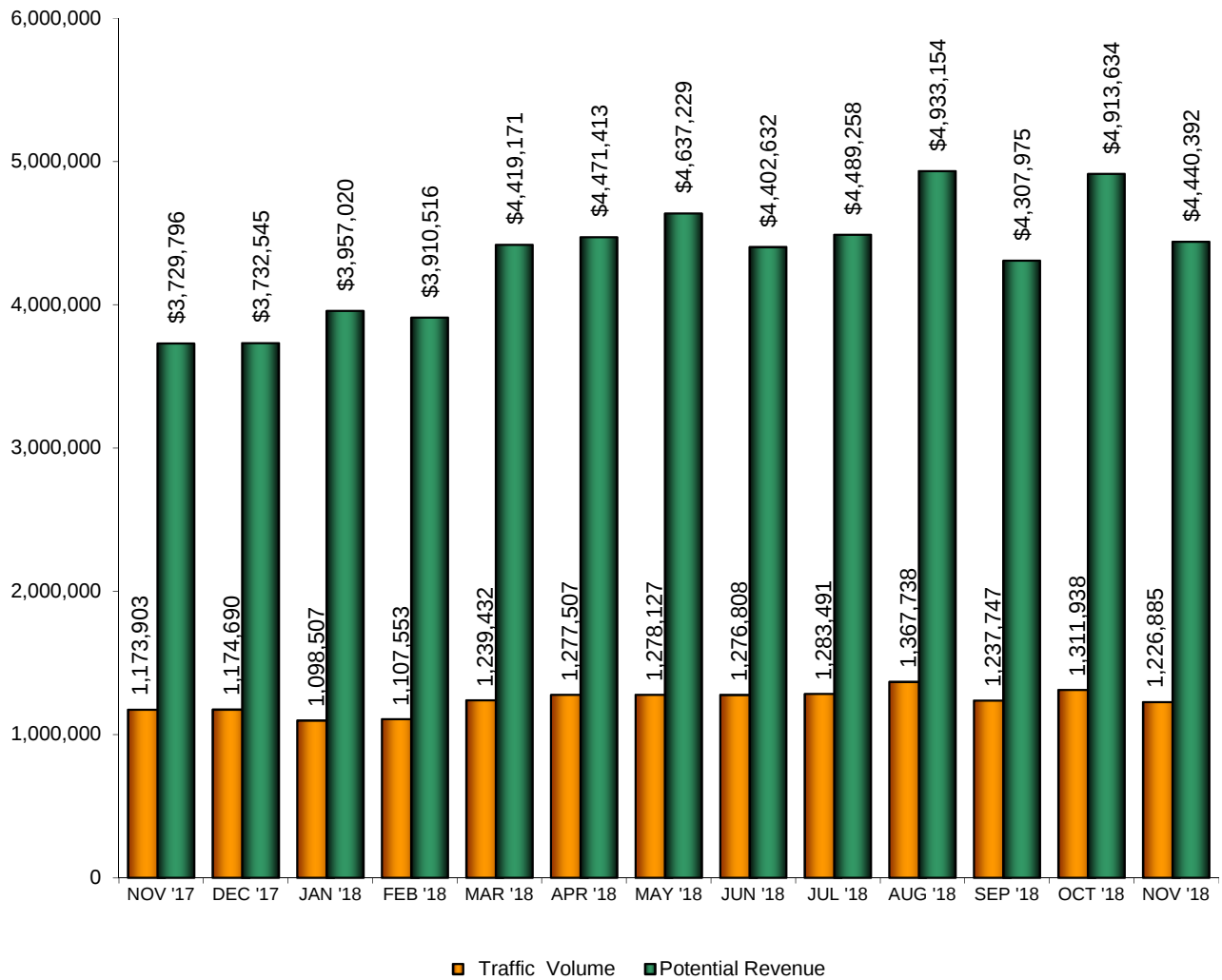


Congestion Complaints vs Toll Credits Issued



RCTC TRAFFIC VOLUME AND ASSOCIATED POTENTIAL REVENUE

Most-recent 13-month Period
November 2017-November 2018



RCTC GLOBAL DEMAND

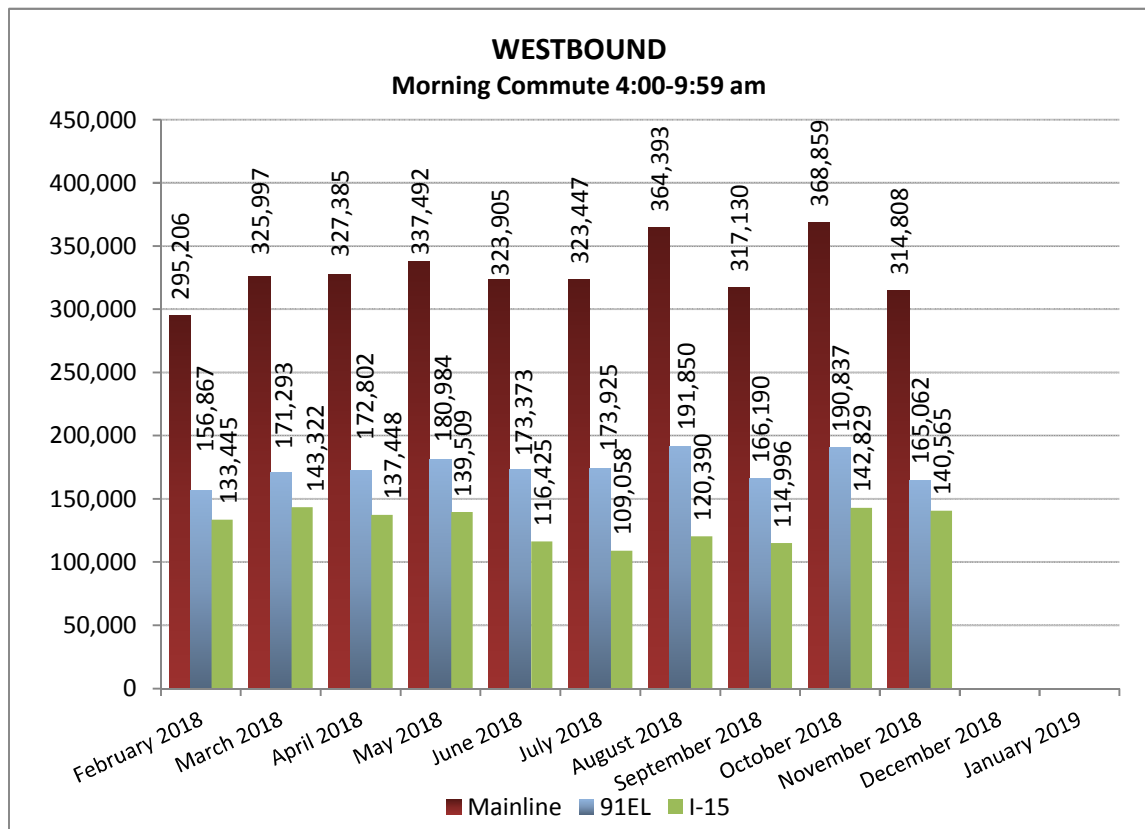
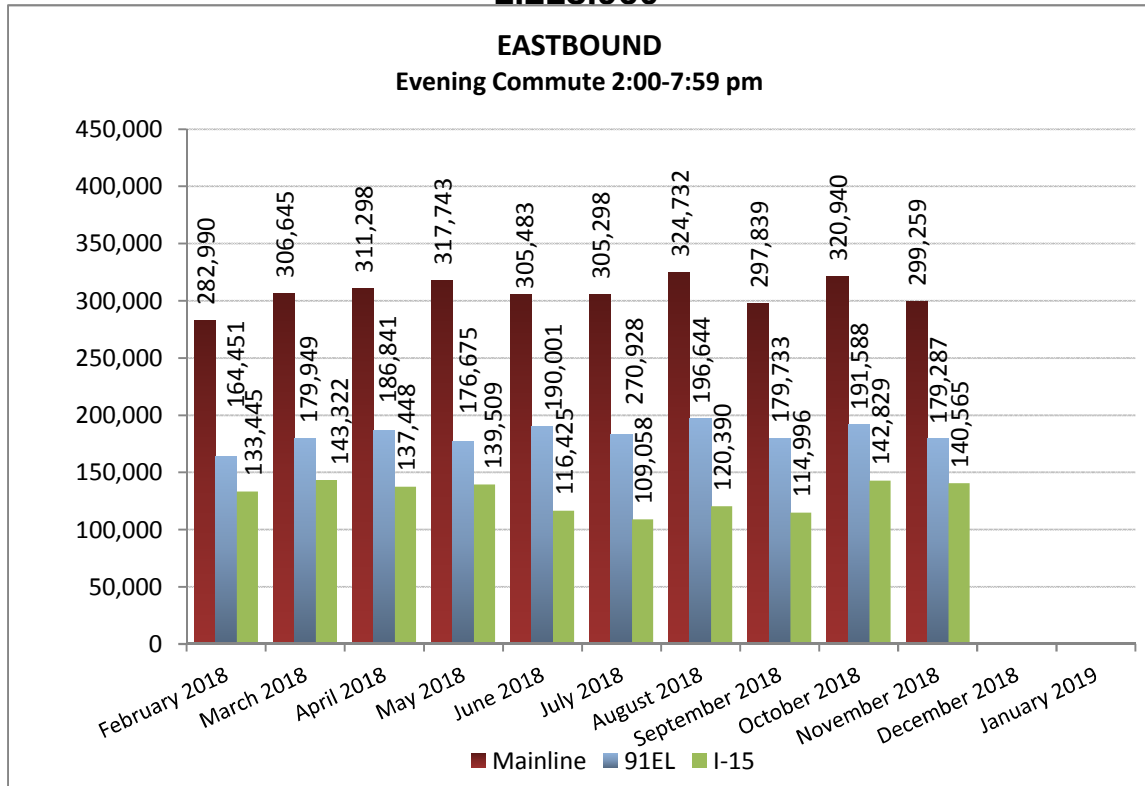
91 EXPRESS LANES vs. SR91 MAINLINE

ATTACHMENT B2

The Total Combined Facility is made up of six lanes in each direction. The 91 Express Lanes provides commuters 33% of those lanes.

November 2018

1.213.960





RCTC EASTBOUND PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

Eastbound PM Peak - County Line to McKinley

DURING RAMP-UP PERIOD (March 20, 2017 to March 19, 2019)

Toll Adjustment Consideration

Above Current LOS
Below Current LOS
Toll Adjustment (+)
Toll Adjustment (-)

Latest 6 Congestion-Relief Toll Adjustments

May 21, 2018	3 Tolls received adjustments
June 11, 2018	3 Tolls received adjustments
July 1, 2018	574 Tolls received COLA adjustments
August 19, 2018	1 Toll received adjustments
October 1, 2018	30 Tolls received adjustments
November 12, 2018	37 Tolls received adjustments

Level of Service (LOS)

A	0-400
B	401-800
C	801-1000
D	1001-1200
E	1201-1300
F	>1300

Traffic Volume (Range)

A	0-400
B	401-800
C	801-1000
D	1001-1200
E	1201-1300
F	>1300

ATTACHMENT B3.1

	Time	Monday (PM)					Tuesday (PM)					Wednesday (PM)					Thursday (PM)					Friday (PM)				
		Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
WEEK 17 Oct 21 - Oct 27	2:00 PM	C	4.05	1,172	D	✓	D	5.15	1,225	E	✓	D	5.15	1,401	F	✓	F	7.55	1,298	E	✓	F	16.40	1,536	F	✓
	3:00 PM	D	5.05	1,270	E	✓	D	5.15	1,308	F	✓	E	6.55	1,412	F	✓	F	9.60	1,483	F	✓	F	16.40	1,442	F	✓
	4:00 PM	C	4.05	1,152	D	✓	C	4.05	1,176	D	✓	C	3.95	1,112	D	✓	F	8.55	1,015	D	✓	F	11.40	1,258	E	✓
	5:00 PM	C	4.05	1,108	D	✓	C	4.05	1,118	D	✓	C	3.95	1,044	D	✓	C	3.95	1,190	D	✓	F	7.40	1,393	F	✓
	6:00 PM	C	4.05	996	C	✓	C	4.05	1,137	D	✓	C	3.95	1,194	D	✓	C	3.95	1,243	E	✓	D	5.05	1,444	F	✓
	7:00 PM	B	2.20	713	B	✓	C	4.05	876	C	✓	C	3.95	988	C	✓	C	4.05	957	C	✓	C	3.95	1,308	F	✓
WEEK 18 Oct 28 - Nov 03	2:00 PM	C	4.05	1,206	E	✓	D	5.15	1,196	D	✓	D	5.15	1,339	F	✓	F	7.55	1,498	F	✓	F	16.40	1,529	F	✓
	3:00 PM	D	5.05	1,335	F	✓	D	5.15	1,252	E	✓	E	6.55	1,302	F	✓	F	9.60	1,357	F	✓	F	16.40	1,298	E	✓
	4:00 PM	C	4.05	1,166	D	✓	C	4.05	1,167	D	✓	C	3.95	1,179	D	✓	F	8.55	982	C	✓	F	11.40	1,134	D	✓
	5:00 PM	C	4.05	1,053	D	✓	C	4.05	1,089	D	✓	C	3.95	1,153	D	✓	C	3.95	1,171	D	✓	F	7.40	1,219	E	✓
	6:00 PM	C	4.05	1,103	D	✓	C	4.05	1,060	D	✓	C	3.95	1,278	E	✓	C	3.95	1,192	D	✓	D	5.05	1,269	E	✓
	7:00 PM	B	2.20	829	C	✓	C	4.05	1,017	D	✓	C	3.95	689	B	✓	C	4.05	965	C	✓	C	3.95	1,212	E	✓
WEEK 19 Nov 04 - Nov 10	2:00 PM	C	4.05	1,252	E	✓	D	5.15	1,320	F	✓	D	5.15	1,398	F	✓	F	7.55	1,531	F	✓	F	16.40	1,517	F	✓
	3:00 PM	D	5.05	1,340	F	✓	D	5.15	1,254	E	✓	E	6.55	1,324	F	✓	F	9.60	1,347	F	✓	F	16.40	1,295	E	✓
	4:00 PM	C	4.05	1,135	D	✓	C	4.05	1,114	D	✓	C	3.95	1,210	E	✓	F	8.55	1,166	D	✓	F	11.40	1,277	E	✓
	5:00 PM	C	4.05	1,111	D	✓	C	4.05	1,115	D	✓	C	3.95	994	C	✓	C	3.95	1,189	D	✓	F	7.40	1,220	E	✓
	6:00 PM	C	4.05	1,046	D	✓	C	4.05	1,175	D	✓	C	3.95	1,069	D	✓	C	3.95	1,245	E	✓	D	5.05	1,323	F	✓
	7:00 PM	B	2.20	791	B	✓	C	4.05	944	C	✓	C	3.95	930	C	✓	C	4.05	1,165	D	✓	C	3.95	1,181	D	✓
WEEK 20 Nov 11 - Nov 17	2:00 PM	C	4.05	1,055	D	✓	D	5.15	1,173	D	✓	D	5.15	1,359	F	✓	F	7.55	1,453	F	✓	F	16.40	1,504	F	✓
	3:00 PM	D	5.05	1,205	E	✓	D	5.15	1,264	E	✓	E	6.55	1,330	F	✓	F	9.60	1,346	F	✓	F	16.40	1,283	E	✓
	4:00 PM	C	4.05	1,077	D	✓	C	4.05	1,152	D	✓	C	3.95	1,141	D	✓	F	8.55	1,064	D	✓	F	11.40	1,128	D	✓
	5:00 PM	C	4.05	1,017	D	✓	C	4.05	1,111	D	✓	C	3.95	1,114	D	✓	C	3.95	1,160	D	✓	E	6.70	1,241	E	✓
	6:00 PM	C	4.05	863	C	✓	C	4.05	1,203	E	✓	C	3.95	1,260	E	✓	C	3.95	1,602	F	✓	E	6.70	1,241	E	✓
	7:00 PM	B	2.20	635	B	✓	C	4.05	882	C	✓	C	3.95	1,048	D	✓	C	4.05	930	C	✓	D	5.15	1,246	E	✓
WEEK 21 Nov 18 - Nov 24	2:00 PM	C	4.05	1,410	F	✓	D	5.15	1,525	F	✓	F	13.65	2,981	F	✓	C	4.05	1,159	D	✓	C	4.05	743	B	✓
	3:00 PM	D	5.05	1,354	F	✓	D	5.15	1,243	E	✓	F	10.60	2,674	F	✓	C	4.05	930	C	✓	B	2.20	654	B	✓
	4:00 PM	C	4.05	1,222	E	✓	C	4.05	1,275	E	✓	F	8.55	3,103	F	✓	C	4.05	990	C	✓	B	2.20	620	B	✓
	5:00 PM	C	4.05	1,125	D	✓	C	4.05	1,305	F	✓	E	6.70	2,973	F	✓	C	4.05	939	C	✓	B	2.20	532	B	✓
	6:00 PM	C	4.05	1,100	D	✓	C	4.05	1,249	E	✓	C	4.05	1,462	F	✓	C	4.05	847	C	✓	B	2.20	434	B	✓
	7:00 PM	B	2.20	959	C	✓	C	4.05	1,120	D	✓	C	4.05	773	B	✓	C	4.05	929	C	✓	A	1.50	382	A	✓
WEEK 22 Nov 25 - Dec 01	2:00 PM	C	4.05	1,233	E	✓	D	5.15	1,271	E	✓	D	5.15	1,347	F	✓	F	\$7.55	1,239	E	✓	F	17.70	1,454	F	✓
	3:00 PM	D	5.05	1,199	D	✓	D	5.15	1,249	E	✓	E	6.55	1,382	F	✓	F	\$9.60	1,152	D	✓	F	17.70	1,227	E	✓
	4:00 PM	C	4.05	1,064	D	✓	C	4.05	1,129	D	✓	C	3.95	1,204	E	✓	F	\$8.55	896	C	✓	F	11.40	1,134	D	✓
	5:00 PM	C	4.05	1,043	D	✓	C	4.05	1,138	D	✓	C	3.95	1,091	D	✓	F	\$3.95	862	C	✓	E	6.70	1,172	D	✓
	6:00 PM	C	4.05	998	C	✓	C	4.05	1,131	D	✓	C	3.95	1,166	D	✓	F	\$3.95	998	C	✓	E	6.70	1,213	E	✓
	7:00 PM	B	2.20	694	B	✓	C	4.05	885	C	✓	C	3.95	1,127	D	✓	F	\$4.05	737	B	✓	D	5.15	1,067	D	✓



RCTC EASTBOUND PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

Eastbound PM Peak - County Line to I-15 South

DURING RAMP-UP PERIOD (March 20, 2017 to March 19, 2019)

Toll Adjustment Consideration

Yellow	Above Current LOS
Light Blue	Below Current LOS
Light Green	Toll Adjustment (+)
Light Red	Toll Adjustment (-)

Latest 6 Congestion-Relief Toll Adjustments

May 21, 2018	3 Tolls received adjustments
June 11, 2018	3 Tolls received adjustments
July 1, 2018	574 Tolls received COLA adjustments
August 19, 2018	1 Toll received adjustments
October 1, 2018	30 Tolls received adjustments
November 12, 2018	37 Tolls received adjustments

Level of Service (LOS)	Traffic Volume (Range)
------------------------	------------------------

A	0-400
B	401-800
C	801-1000
D	1001-1200
E	1201-1400
F	>1400

ATTACHMENT B3.2

	Time	Monday (PM)					Tuesday (PM)					Wednesday (PM)					Thursday (PM)					Friday (PM)				
		Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
WEEK 17 Oct 21 - Oct 27	2:00 PM	B	2.85	757	B		C	5.15	794	B	✓	C	5.05	857	C		C	5.05	752	B	✓	C	5.15	913	C	
	3:00 PM	B	2.85	780	B		B	2.80	773	B		C	5.15	842	C		C	5.15	860	C		B	2.80	764	B	
	4:00 PM	B	2.85	734	B		B	2.85	729	B		B	2.85	672	B		B	2.80	740	B		B	2.85	695	B	
	5:00 PM	B	2.85	699	B		B	2.85	764	B		B	2.85	681	B		B	2.85	760	B		B	2.85	561	B	
	6:00 PM	B	2.85	648	B		B	2.85	704	B		B	2.85	665	B		B	2.85	743	B		B	2.85	552	B	
	7:00 PM	B	2.85	435	B		B	2.85	644	B		B	2.85	689	B		B	2.85	744	B		B	2.85	576	B	
WEEK 18 Oct 28 - Nov 03	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
	2:00 PM	B	2.85	685	B		C	5.15	808	C		C	5.05	906	C		C	5.05	891	C		C	5.15	913	C	
	3:00 PM	B	2.85	864	C	✓	B	2.80	695	B		C	5.15	803	C		C	5.15	880	C		B	2.80	745	B	
	4:00 PM	B	2.85	761	B		B	2.85	719	B		B	2.85	743	B		B	2.80	708	B		B	2.85	683	B	
	5:00 PM	B	2.85	722	B		B	2.85	755	B		B	2.85	671	B		B	2.85	706	B		B	2.85	713	B	
	6:00 PM	B	2.85	673	B		B	2.85	731	B		B	2.85	738	B		B	2.85	682	B		B	2.85	736	B	
	7:00 PM	B	2.85	582	B		B	2.85	704	B		B	2.85	403	B		B	2.85	611	B		B	2.85	559	B	
WEEK 19 Nov 04 - Nov 10	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
	2:00 PM	B	2.85	753	B		C	5.15	839	C		C	5.05	832	C		C	5.05	913	C		C	5.15	873	C	
	3:00 PM	B	2.85	854	C	✓	B	2.80	755	B		C	5.15	806	C		C	5.15	808	C		B	2.80	745	B	
	4:00 PM	B	2.85	751	B		B	2.85	714	B		B	2.85	755	B		B	2.80	680	B		B	2.85	675	B	
	5:00 PM	B	2.85	754	B		B	2.85	665	B		B	2.85	630	B		B	2.85	732	B		B	2.85	676	B	
	6:00 PM	B	2.85	662	B		B	2.85	754	B		B	2.85	623	B		B	2.85	703	B		B	2.85	664	B	
	7:00 PM	B	2.85	477	B		B	2.85	675	B		B	2.85	611	B		B	2.85	732	B		B	2.85	608	B	
WEEK 20 Nov 11 - Nov 17	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
	2:00 PM	B	2.85	647	B		C	5.15	754	B	✓	C	5.05	761	B	✓	C	5.05	923	C		C	5.15	895	C	
	3:00 PM	B	2.85	801	C	✓	B	2.80	755	B		C	5.15	792	B	✓	C	5.15	859	C		B	2.80	813	C	✓
	4:00 PM	B	2.85	681	B		B	2.85	712	B		B	2.85	722	B		B	2.80	710	B		B	2.85	696	B	
	5:00 PM	B	2.85	615	B		B	2.85	717	B		B	2.85	638	B		B	2.85	655	B		B	2.85	710	B	
	6:00 PM	B	2.85	554	B		B	2.85	719	B		B	2.85	746	B		B	2.85	320	A	✓	B	2.85	688	B	
	7:00 PM	B	2.85	420	B		B	2.85	584	B		B	2.85	667	B		B	2.85	672	B		B	2.85	731	B	
WEEK 21 Nov 18 - Nov 24	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
	2:00 PM	B	2.85	806	C	✓	C	5.15	855	C		B	2.85	167	A	✓	B	2.85	546	B		A	1.90	411	B	✓
	3:00 PM	B	2.85	837	C	✓	B	2.80	670	B		B	2.85	413	B		B	2.85	511	B		A	1.90	400	A	✓
	4:00 PM	B	2.85	761	B		B	2.85	749	B		B	2.85	67	A	✓	B	2.85	531	B		A	1.90	339	A	✓
	5:00 PM	B	2.85	677	B		B	2.85	726	B		B	2.85	55	A	✓	B	2.85	586	B		A	1.90	353	A	✓
	6:00 PM	B	2.85	645	B		B	2.85	714	B		B	2.85	402	B		B	2.85	591	B		A	1.90	275	A	✓
	7:00 PM	B	2.85	567	B		B	2.85	711	B		B	2.85	444	B		B	2.85	692	B		A	1.90	252	A	✓
WEEK 22 Nov 25 - Dec 01	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
	2:00 PM	B	2.85	763	B		C	5.15	841	C		C	5.05	761	B	✓	F	\$5.05	751	B	✓	F	\$5.15	899	C	✓
	3:00 PM	B	2.85	796	B		B	2.80	774	B		C	5.15	856	C		F	\$5.15	752	B	✓	F	\$2.80	732	B	✓
	4:00 PM	B	2.85	659	B		B	2.85	744	B		B	2.85	822	C	✓	F	\$2.80	618	B	✓	F	\$2.85	699	B	✓
	5:00 PM	B	2.85	724	B		B	2.85	724	B		B	2.85	641	B		F	\$2.85	516	B	✓	F	\$2.85	659	B	✓
	6:00 PM	B	2.85	658	B		B	2.85	618	B		B	2.85	699	B		F	\$2.85	565	B	✓	F	\$2.85	682	B	✓
	7:00 PM	B	2.85	464	B		B	2.85	638	B		B	2.85	767	B		F	\$2.85	467	B	✓	F	\$2.85	603	B	✓



RTC WESTBOUND PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

Westbound AM Peak - McKinley to County Line

DURING RAMP-UP PERIOD (March 20, 2017 to March 19, 2019)

Toll Adjustment Consideration

Above Current LOS
Below Current LOS
Toll Adjustment (+)
Toll Adjustment (-)

Latest 6 Congestion-Relief Toll Adjustments

May 21, 2018	3 Tolls received adjustments
June 11, 2018	3 Tolls received adjustments
July 1, 2018	574 Tolls received COLA adjustments
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November 12, 2018	37 Tolls received adjustments

Level of Service (LOS)

A	0-400
B	401-800
C	801-1000
D	1001-1200
E	1201-1350
F	>1350

ATTACHMENT B3.3

		Monday (AM)					Tuesday (AM)					Wednesday (AM)					Thursday (AM)					Friday (AM)					
WEEK 17	Oct 21 - Oct 27	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	1,446	F	✓	E	6.55	1,419	F	✓	E	6.55	1,522	F	✓	E	6.55	1,502	F	✓	C	3.95	1,104	D	✓
		5:00 AM	F	17.90	1,241	E	✓	F	16.15	1,529	F	✓	F	17.15	1,139	D	✓	F	16.90	1,228	E	✓	F	7.90	1,481	F	✓
		6:00 AM	F	16.55	1,232	E	✓	F	16.15	1,213	E	✓	F	15.15	1,342	E	✓	F	15.15	1,272	E	✓	F	7.15	1,534	F	✓
		7:00 AM	F	11.90	1,517	F	✓	F	11.90	1,499	F	✓	F	12.65	1,642	F	✓	F	10.90	1,569	F	✓	E	6.70	1,418	F	✓
		8:00 AM	F	7.15	1,707	F	✓	F	7.15	1,634	F	✓	F	7.15	1,595	F	✓	F	7.90	1,629	F	✓	D	5.15	1,272	E	✓
		9:00 AM	C	4.05	1,201	E	✓	D	5.05	1,357	F	✓	C	3.95	1,253	E	✓	C	3.95	1,430	F	✓	C	4.05	934	C	✓
WEEK 18	Oct 28 - Nov 03	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	1,448	F	✓	E	6.55	1,432	F	✓	E	6.55	1,502	F	✓	E	6.55	1,481	F	✓	C	3.95	1,120	D	✓
		5:00 AM	F	17.90	1,328	E	✓	F	16.15	1,477	F	✓	F	17.15	1,158	D	✓	F	16.90	1,179	D	✓	F	7.90	1,527	F	✓
		6:00 AM	F	16.55	1,268	E	✓	F	16.15	1,058	D	✓	F	15.15	1,367	F	✓	F	15.15	1,301	E	✓	F	7.15	1,523	F	✓
		7:00 AM	F	11.90	1,632	F	✓	F	11.90	1,606	F	✓	F	12.65	1,586	F	✓	F	10.90	1,555	F	✓	E	6.70	1,480	F	✓
		8:00 AM	F	7.15	1,510	F	✓	F	7.15	1,607	F	✓	F	7.15	1,467	F	✓	F	7.90	1,433	F	✓	D	5.15	1,157	D	✓
		9:00 AM	C	4.05	1,227	E	✓	D	5.05	1,230	E	✓	C	3.95	1,017	D	✓	C	3.95	1,508	F	✓	C	4.05	890	C	✓
WEEK 19	Nov 04 - Nov 10	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	1,379	F	✓	E	6.55	1,496	F	✓	E	6.55	1,497	F	✓	E	6.55	1,334	E	✓	C	3.95	1,172	D	✓
		5:00 AM	F	17.90	1,415	F	✓	F	16.15	1,436	F	✓	F	17.15	1,142	D	✓	F	16.90	1,194	D	✓	F	7.90	1,480	F	✓
		6:00 AM	F	16.55	1,111	D	✓	F	16.15	1,241	E	✓	F	15.15	1,374	F	✓	F	15.15	1,391	F	✓	F	7.15	1,608	F	✓
		7:00 AM	F	11.90	1,552	F	✓	F	11.90	1,646	F	✓	F	12.65	1,723	F	✓	F	10.90	1,918	F	✓	E	6.70	1,411	F	✓
		8:00 AM	F	7.15	1,618	F	✓	F	7.15	1,472	F	✓	F	7.15	1,546	F	✓	F	7.90	1,556	F	✓	D	5.15	1,229	E	✓
		9:00 AM	C	4.05	1,240	E	✓	D	5.05	1,391	F	✓	C	3.95	1,167	D	✓	C	3.95	1,276	E	✓	C	4.05	904	C	✓
WEEK 20	Nov 11 - Nov 17	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	932	C	✓	E	6.55	1,386	F	✓	E	6.55	1,519	F	✓	E	6.55	1,479	F	✓	C	3.95	1,077	D	✓
		5:00 AM	F	18.90	923	C	✓	F	17.45	1,403	F	✓	F	18.45	1,145	D	✓	F	18.20	1,205	E	✓	F	7.90	1,576	F	✓
		6:00 AM	F	17.55	908	C	✓	F	17.15	1,114	D	✓	F	16.15	1,372	F	✓	F	16.15	1,320	E	✓	F	7.15	1,541	F	✓
		7:00 AM	F	13.20	984	C	✓	F	13.20	1,527	F	✓	F	13.95	1,609	F	✓	F	12.20	1,633	F	✓	E	6.70	1,447	F	✓
		8:00 AM	F	8.45	957	C	✓	F	8.45	1,608	F	✓	F	8.45	1,536	F	✓	F	9.20	1,524	F	✓	D	5.15	1,301	E	✓
		9:00 AM	C	4.05	912	C	✓	D	5.05	1,358	F	✓	C	3.95	1,147	D	✓	C	3.95	1,370	F	✓	C	4.05	900	C	✓
WEEK 21	Nov 18 - Nov 24	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	1,534	F	✓	E	6.55	1,457	F	✓	F	7.45	1,103	D	✓	A	1.50	43	A	✓	A	1.50	110	A	✓
		5:00 AM	F	18.90	1,429	F	✓	F	17.45	1,582	F	✓	E	6.70	1,535	F	✓	A	1.50	61	A	✓	A	1.50	203	A	✓
		6:00 AM	F	17.55	1,221	E	✓	F	17.15	1,116	D	✓	E	6.70	1,301	E	✓	A	1.50	74	A	✓	A	1.50	256	A	✓
		7:00 AM	F	13.20	1,520	F	✓	F	13.20	1,461	F	✓	E	6.70	1,227	E	✓	A	1.50	124	A	✓	A	1.50	314	A	✓
		8:00 AM	F	8.45	1,512	F	✓	F	8.45	1,483	F	✓	C	4.05	1,100	D	✓	A	1.50	210	A	✓	A	1.50	383	A	✓
		9:00 AM	C	4.05	1,212	E	✓	D	5.05	1,117	D	✓	B	2.20	856	C	✓	B	2.20	357	A	✓	B	2.20	467	B	✓
WEEK 22	Nov 25 - Dec 01	Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
		4:00 AM	E	6.55	1,548	F	✓	E	6.55	1,442	F	✓	E	6.55	1,549	F	✓	E	6.55	1,421	F	✓	C	3.95	1,117	D	✓
		5:00 AM	F	18.90	1,475	F	✓	F	17.45	1,465	F	✓	F	18.45	1,238	E	✓	F	18.20	1,069	D	✓	F	7.90	1,442	F	✓
		6:00 AM	F	17.55	1,227	E	✓	F	17.15	1,054	D	✓	F	16.15	1,516	F	✓	F	16.15	1,233	E	✓	F	7.15	1,545	F	✓
		7:00 AM	F	13.20	1,499	F	✓	F	13.20	1,550	F	✓	F	13.95	1,619	F	✓	F	12.20	1,385	F	✓	E	6.70	1,437	F	✓
		8:00 AM	F	8.45	1,599	F	✓	F	8.45	1,644	F	✓	F	8.45	1,643	F	✓	F	9.20	1,375	F	✓	D	5.15	1,311	E	✓
		9:00 AM	C	4.05	1,197	D	✓	D	5.05	1,426	F	✓	C	3.95	1,345	E	✓	C	3.95	1,345	F	✓	C	4.05	906	C	✓



RCTC WESTBOUND PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

Westbound AM Peak - I-15 North to County Line

DURING RAMP-UP PERIOD (March 20, 2017 to March 19, 2019)

Toll Adjustment Consideration

	Above Current LOS
	Below Current LOS
	Toll Adjustment (+)
	Toll Adjustment (-)

Latest 6 Congestion-Relief Toll Adjustments

May 21, 2018	3 Tolls received adjustments
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Level of Service (LOS)

A	0-400
B	401-800
C	801-1000
D	1001-1200
E	1201-1400
F	>1400

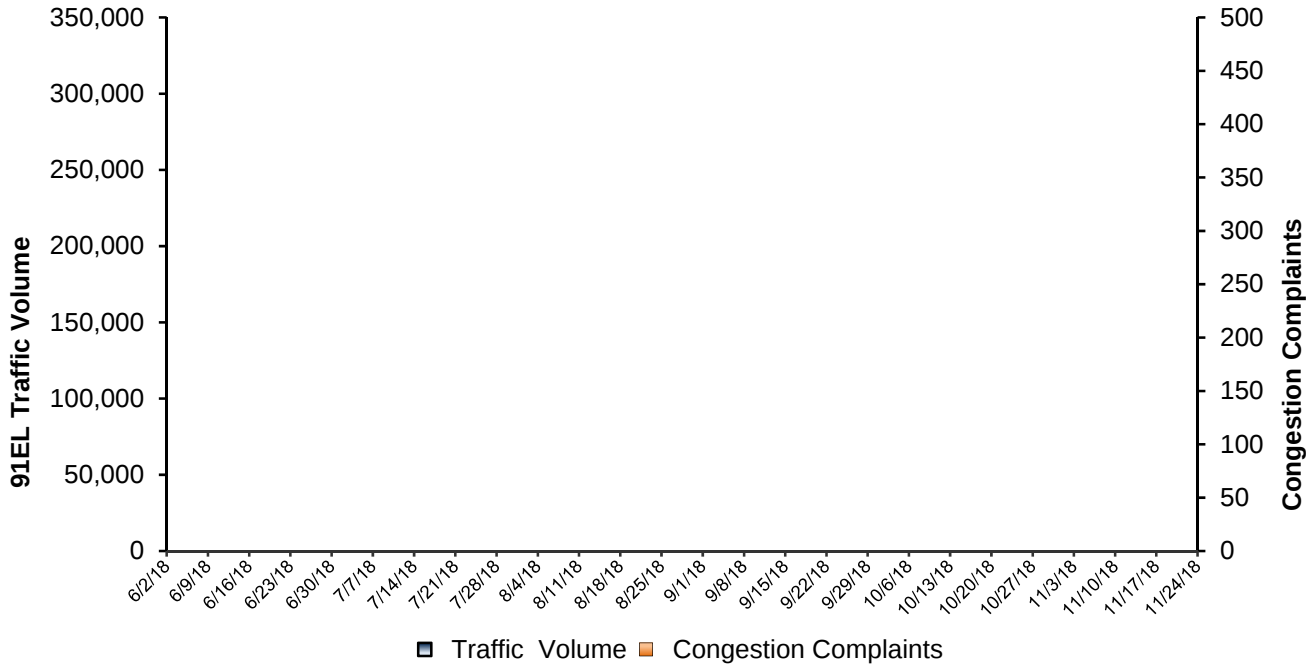
Traffic Volume (Range)

ATTACHMENT B3.4

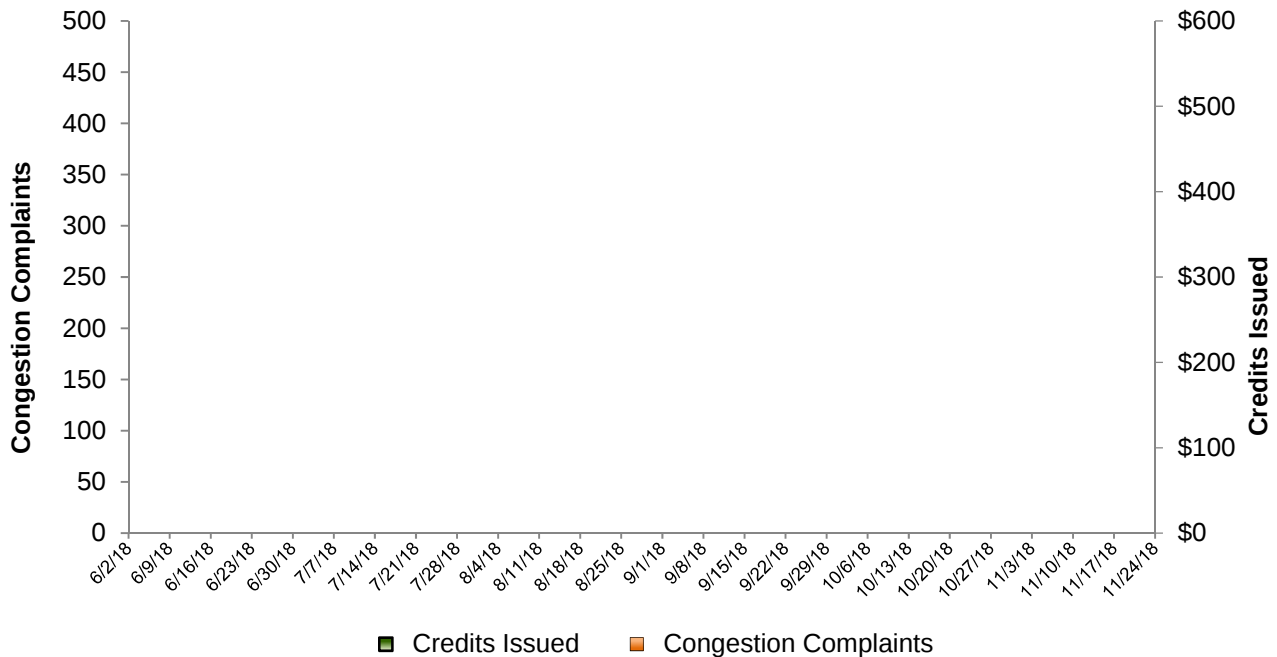
		Monday (AM)					Tuesday (AM)					Wednesday (AM)					Thursday (AM)					Friday (AM)					
		Time	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment	Current LOS	Current Toll	Volume	Actual LOS	Available for Toll Adjustment
WEEK 17	Oct 21 - Oct 27	4:00 AM	C	5.05	1,023	D	✓	C	5.05	997	C		C	5.05	988	C		C	5.05	882	C		B	2.85	813	C	✓
	5:00 AM	F	16.40	1,322	E	✓	F	14.40	1,324	E	✓	F	14.40	1,399	E	✓	F	12.40	1,421	F		C	5.15	1,266	E	✓	
	6:00 AM	F	15.40	1,430	F		F	13.40	1,416	F		F	15.40	1,297	E	✓	F	13.40	1,262	E	✓	D	6.65	1,223	E	✓	
	7:00 AM	F	11.40	1,350	E	✓	F	9.40	1,408	F		F	11.40	1,435	F		F	10.40	1,432	F		C	5.15	1,051	D	✓	
	8:00 AM	D	6.50	1,337	E	✓	D	6.50	1,456	F	✓	D	6.50	1,293	E	✓	D	6.65	1,350	E	✓	C	5.15	947	C		
	9:00 AM	C	5.05	873	C		C	5.15	996	C		C	5.15	1,016	D	✓	C	5.15	1,006	D	✓	B	2.85	699	B		
WEEK 18	Oct 28 - Nov 03	4:00 AM	C	5.05	1,044	D	✓	C	5.05	971	C		C	5.05	935	C		C	5.05	958	C		B	2.85	803	C	✓
	5:00 AM	F	16.40	1,299	E	✓	F	14.40	1,315	E	✓	F	14.40	1,432	F		F	12.40	1,457	F		C	5.15	1,244	E	✓	
	6:00 AM	F	15.40	1,375	E	✓	F	13.40	1,340	E	✓	F	15.40	1,416	F		F	13.40	1,392	E	✓	D	6.65	1,198	D		
	7:00 AM	F	11.40	1,334	E	✓	F	9.40	1,438	F		F	11.40	1,370	E	✓	F	10.40	1,379	E	✓	C	5.15	1,044	D	✓	
	8:00 AM	D	6.50	1,203	E	✓	D	6.50	1,468	F	✓	D	6.50	1,160	D		D	6.65	1,211	E	✓	C	5.15	949	C		
	9:00 AM	C	5.05	851	C		C	5.15	965	C		C	5.15	808	C		C	5.15	976	C		B	2.85	741	B		
WEEK 19	Nov 04 - Nov 10	4:00 AM	C	5.05	1,073	D	✓	C	5.05	1,044	D	✓	C	5.05	984	C		C	5.05	974	C		B	2.85	814	C	✓
	5:00 AM	F	16.40	1,350	E	✓	F	14.40	1,369	E	✓	F	14.40	1,446	F		F	12.40	1,426	F		C	5.15	1,312	E	✓	
	6:00 AM	F	15.40	1,391	E	✓	F	13.40	1,439	F		F	15.40	1,320	E	✓	F	13.40	1,380	E	✓	D	6.65	1,238	E	✓	
	7:00 AM	F	11.40	1,413	F		F	9.40	1,441	F		F	11.40	1,478	F		F	10.40	1,490	F		C	5.15	1,052	D	✓	
	8:00 AM	D	6.50	1,354	E	✓	D	6.50	1,449	F	✓	D	6.50	1,289	E	✓	D	6.65	1,238	E	✓	C	5.15	927	C		
	9:00 AM	C	5.05	965	C		C	5.15	1,070	D	✓	C	5.15	943	C		C	5.15	1,002	D	✓	B	2.85	651	B		
WEEK 20	Nov 11 - Nov 17	4:00 AM	C	5.05	616	B	✓	C	5.05	1,069	D	✓	C	5.05	995	C		C	5.05	987	C		B	2.85	864	C	✓
	5:00 AM	F	17.40	882	C	✓	F	15.40	1,384	E	✓	F	15.70	1,353	E	✓	F	13.70	1,485	F		C	5.15	1,299	E	✓	
	6:00 AM	F	16.40	1,001	D	✓	F	14.70	1,474	F		F	16.70	1,402	F		F	14.70	1,392	E	✓	D	6.65	1,171	D		
	7:00 AM	F	12.40	768	B	✓	F	10.70	1,450	F		F	12.70	1,477	F		F	11.70	1,409	F		C	5.15	1,109	D	✓	
	8:00 AM	E	8.55	703	B	✓	E	8.55	1,350	E		E	8.55	1,152	D	✓	D	6.65	1,198	D		C	5.15	895	C		
	9:00 AM	C	5.05	644	B	✓	C	5.15	993	C		C	5.15	948	C		C	5.15	970	C		B	2.85	686	B		
WEEK 21	Nov 18 - Nov 24	4:00 AM	C	5.05	1,035	D	✓	C	5.05	985	C		C	5.15	818	C		A	1.90	48	A		A	1.90	92	A	
	5:00 AM	F	17.40	1,335	E	✓	F	15.40	1,373	E	✓	E	8.55	1,143	D	✓	A	1.90	67	A		A	1.90	167	A		
	6:00 AM	F	16.40	1,454	F		F	14.70	1,353	E	✓	C	5.15	1,099	D	✓	A	1.90	70	A		A	1.90	181	A		
	7:00 AM	F	12.40	1,385	E	✓	F	10.70	1,117	D	✓	B	2.85	899	C	✓	A	1.90	98	A		A	1.90	177	A		
	8:00 AM	E	8.55	1,188	D	✓	E	8.55	1,022	D	✓	B	2.85	804	C	✓	A	1.90	175	A		A	1.90	256	A		
	9:00 AM	C	5.05	772	B	✓	C	5.15	812	C		B	2.85	563	B		A	1.90	338	A		A	1.90	393	A		
WEEK 22	Nov 25 - Dec 01	4:00 AM	C	5.05	1,101	D	✓	C	5.05	1,000	C		C	5.05	1,037	D	✓	C	5.05	917	C		B	2.85	826	C	✓
	5:00 AM	F	17.40	1,375	E	✓	F	15.40	1,461	F		F	15.70	1,407	F		F	13.70	1,357	E	✓	C	5.15	1,199	D	✓	
	6:00 AM	F	16.40	1,415	F		F	14.70	1,462	F		F	16.70	1,339	E	✓	F	14.70	1,305	E	✓	D	6.65	1,072	D		
	7:00 AM	F	12.40	1,279	E	✓	F	10.70	1,362	E	✓	F	12.70	1,423	F		F	11.70	1,057	D	✓	C	5.15	1,033	D	✓	
	8:00 AM	E	8.55	1,143	D	✓	E	8.55	1,349	E		E	8.55	1,289	E		D	6.65	1,049	D		C	5.15	991	C		
	9:00 AM	C	5.05	850	C		C	5.15	897	C		C	5.15	951	C		C	5.15	500	B	✓	B	2.85	698	B		

**RCTC's Most Recent 6-Month Period
June 2018 through November 2018**

Traffic Volume vs Congestion Complaints - Redacted



Congestion Complaints vs Toll Credits Issued - Redacted

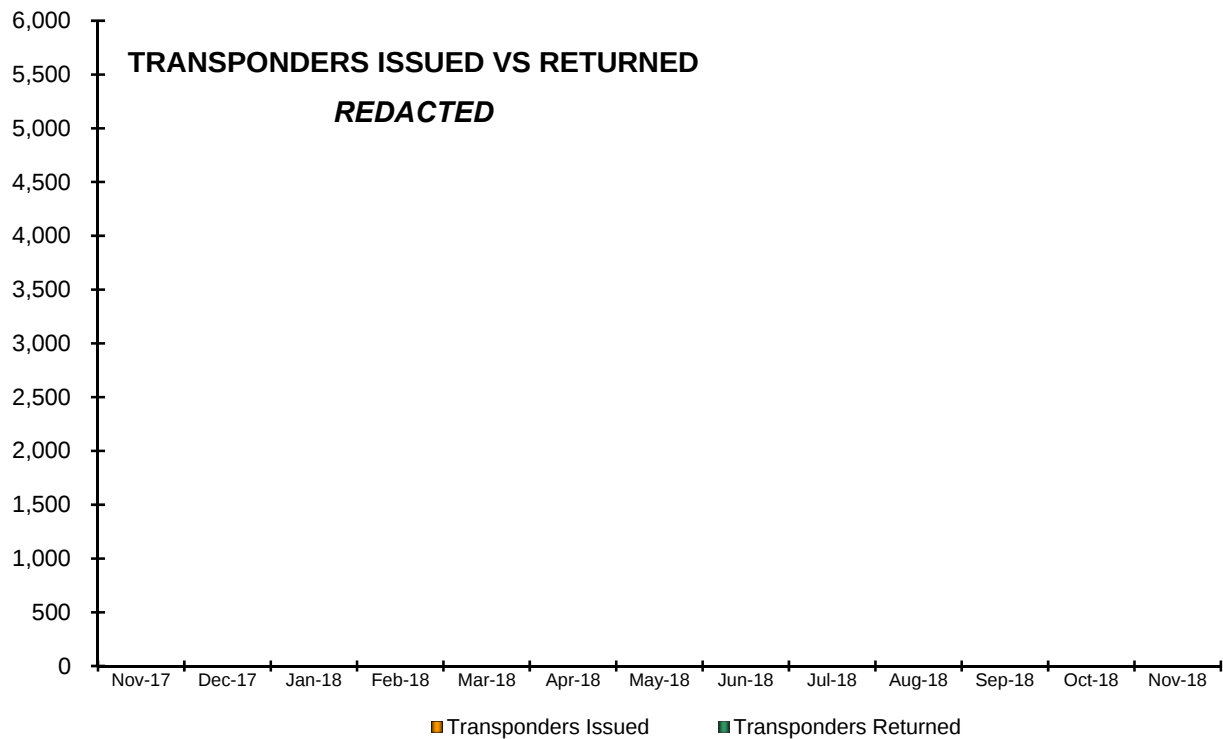


TRANSPONDER DISTRIBUTION

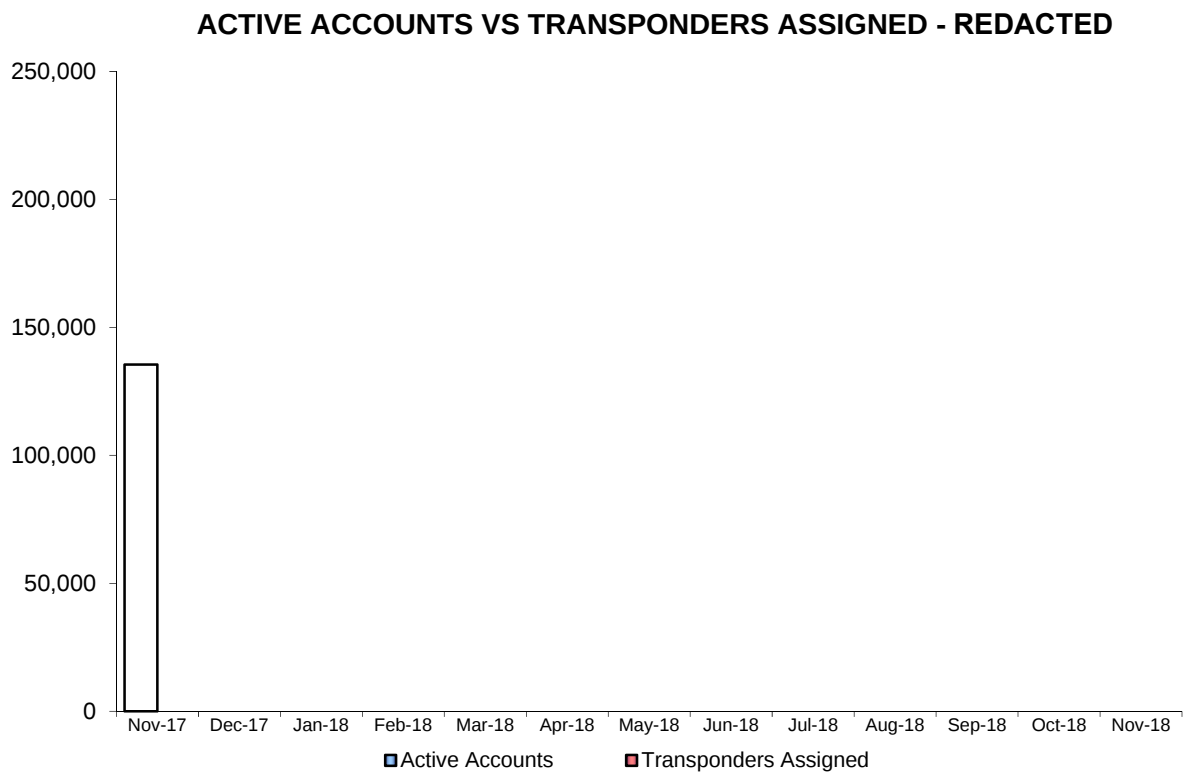
91 Express Lanes

Most Recent 13-Month Period
November 2017 through November 2018

ATTACHMENT C1



ATTACHMENT C2



91 Express Lanes
CUSTOMER COMMUNICATION CHANNEL
Most Recent 13-Month Period
November 2017 through November 2018

ATTACHMENT C3

Nov-18
Oct-18
Sep-18
Aug-18
Jul-18
Jun-18
May-18
Apr-18
Mar-18
Feb-18
Jan-18
Dec-17
Nov-17

■ CSC Phones ■ Website ■ Email ■ US Mail

Sample Quarterly Status Report

Sample 91 Express Lanes Quarterly Status Report

NOTE: Some data has been redacted.

Attached is the 91 Express Lanes Quarterly Status Report for the First Quarter of OCTA's Fiscal Year 2018-19; July 1 through September 30, 2018.

The following information is provided in this report:

1. OPERATIONS

1.1 Quarterly Operations Overview

1.1a Trip and Revenue Statistics for the First Quarter of FY2018-19

1.1b Multi Agency Trip and Revenue Statistics

1.2 Operations Highlights

1.2.1 Customer Accounts and Transponder Distribution

1.2.2 Traffic Volumes

1.2.3 Incidents and Accidents

1.2.4 On-road Maintenance

1.2.5 Customer Service and Violation Processing

1.2.6 ETTM Status

1.2.7 Information Technology

2. FINANCIAL PERFORMANCE

3. OTHER ACTIVITIES AND ISSUES

3.1 Traffic Volume and Associated Potential Revenue

3.2 Active Accounts and Transponders Assigned

91 EXPRESS LANES QUARTERLY STATUS REPORT

FIRST QUARTER - OCTA FISCAL YEAR 2018-19

July 1 through September 30, 2018

1. OPERATIONS

1.1 Quarterly Operations Overview

Total traffic volume on the 91 Express Lanes for the first quarter of Fiscal Year 2018-19 was 4,467,727; representing a daily average of 48,562. This is an increase of 1.3% in total traffic volume from the previous quarter's total of 4,408,575. Potential toll revenue for the first quarter is \$13,172,688; an increase of 1.7% from the previous quarter's total of \$12,947,640. Traffic volume for the first quarter of FY 2018-19 was up 7.7% compared to the first quarter of FY 2017-18. Potential revenue for the same period was 7.0% above that of FY 2017-18. Carpool percentage for the first quarter was 26.6%, compared to 25.9% in the previous quarter. The first quarter traffic and revenue data compared to Stantec projections are summarized below.

Please note that the trip and revenue statistics table 1.1a represents all trips taken on the OCTA portion of the 91 Express Lanes and associated potential revenue. The Multi Agency Trip and Revenue statistics table 1.1b represents all trips taken on the 91 Express Lanes and associated revenue by Agency segments.

1.1a Trip and Revenue Statistics for the First Quarter of FY 2018-19

(FY2016-17 and FY2017-18 data is for July 1 through September 30, 2018)

Trips	FY 2018-19 1st Qtr	Stantec 1st Qtr Projected	# Variance	% Variance	FY 2017-18 1st Qtr	Yr-to-Yr % Variance
Full Toll Lanes	3,280,307	3,312,475	(32,168)	(1.0%)	3,100,900	5.8%
3+ Lanes	1,187,420	1,043,523	143,897	13.8%	1,047,712	13.3%
Total Gross Trips	4,467,727	4,355,998	111,729	2.6%	4,148,612	7.7%
Revenue						
Full Toll Lanes	\$12,944,382	\$13,185,568	(\$241,186)	(1.8%)	\$12,087,254	7.1%
3+ Lanes	\$228,306	\$251,468	(\$23,163)	(9.2%)	\$221,621	3.0%
Total Gross Revenue	\$13,172,688	\$13,437,036	(\$264,348)	(2.0%)	\$12,308,875	7.0%
Average Revenue per Trip						
Average Full Toll Lanes	\$3.95	\$3.98	(\$0.03)	(0.8%)	\$3.90	1.3%
Average 3+ Lanes	\$0.19	\$0.24	(\$0.05)	(20.8%)	\$0.21	(9.5%)
Average Gross Revenue	\$2.95	\$3.08	(\$0.13)	(4.2%)	\$2.97	(0.7%)

Agency Trip and Revenue Statistics for the First Quarter of FY 2018-19

MULTI AGENCY TRIP AND REVENUE STATISTICS

QUARTER ENDING September 30, 2018

FY 18-19 1st Qtr	Transactions by Agency	Transactions Using Both Segments	% Using Both Segments	Revenue
Westbound				
OCTA	2,193,431	1,344,289	61%	\$ 5,408,641
RCTC	2,104,105	1,344,289	64%	\$ 8,676,885
I-15	910,450	605,703	67%	\$ 3,920,155
McKinley	1,193,655	738,586	62%	\$ 4,756,731
Eastbound				
OCTA	2,274,296	1,241,190	55%	\$ 7,764,047
RCTC	1,784,871	1,241,190	70%	\$ 5,053,502
I-15	641,434	493,975	77%	\$ 1,387,906
McKinley	1,143,437	747,215	65%	\$ 3,665,596

1.2 Operations Highlights

1.2.1 Customer Accounts and Transponder Distribution

During the first quarter of FY2018-19, the 91 Express Lanes opened a daily average of 53 new accounts per 7-day week. Total active customer accounts at the end of the first quarter numbered 143,301 with 218,136 transponders assigned. As of the end of the first quarter, full-toll paying accounts made up approximately 92% of all active accounts. Full-toll paying accounts include all accounts except discount-toll accounts (3+Carpool, zero emission vehicles, disabled person, disabled veteran, and motorcycle) and non-toll accounts (Caltrans, CHP).

1.2.2 Traffic Volumes

Combined Facility (SR91 general-purpose lanes plus OCTA 91 Express Lanes) global demand data is compiled at the mid-point of the OCTA Express Lanes between Imperial Hwy and Weir Canyon using Caltrans' loops; therefore, traffic volumes are only a representation of throughput in the 91 Corridor and may differ from traffic volumes obtained through OCTA's TollPlus system.

During the first quarter, weekday peak-hour global demand averaged 94,096 vehicles per weekday (excluding holidays). During peak traffic hours the OCTA 91 Express Lanes captured 38% of the eastbound evening commuter traffic and 21% of the westbound morning commuter traffic, with overall capture rate of 29%.

1.2.3 Incidents and Accidents

OCTA Customer Assistance Specialists responded to an average of 4 calls per day during the first quarter. The majority of these calls continue to be debris removal and assisting stalled vehicles.

There were 38 accidents reported during the first quarter; of the 38 accidents reported, 23 originated in the OCTA 91 Express Lanes and 15 originated in the general purpose lanes.

1.2.5 Customer Service and Violation Processing- REDACTED

Activity	Response	Performance Standard
Call Wait Times		
Abandon Rate		
Total Calls		
Calls Handled by Customer Service Reps		
Calls Handled by IVR (automated system)		
Transponder Distribution		
Processing Response Time		

During the fourth quarter, Violation Processing processed 151,145 OCTA transactions (vehicles without transponder-reads or valid accounts). These violations are pursued in accordance with state toll-evasion enforcement procedures and OCTA policy.

First-quarter and year-to-date collection efforts are summarized in the following table:

COLLECTION EFFORTS	Q1		FY 2018-19 To-Date	
	Records	Recovered	Records	Recovered
COFIROUTE RECOVERED				
Customer Violations				
Non-customer Violations				
Cofiroute Collection Totals:				
COLLECTIONS AGENCY RECOVERED				
Unresolved Customer Acct Collections				
Unresolved Non-customer Violations				
Judgments				
*Tax Intercept				
*Lottery Intercept				
Collections Agency Totals:				
TOTAL COLLECTION:				

*Note: Data is based on activity quarter when collected. Additional data may be received after the date of this report.

1.2.6 ETTM

Cofiroute USA completed maintenance on the ETTM equipment at lane level. Coordinated efforts were made with vendors to perform maintenance on generators, A/C units, and UPS units. Damaged cameras were replaced and sent out for repairs. Quarterly Vault inspections were completed. Various OCTA equipment was bench tested to insure proper functionality before installation in the field. Failed Equipment was replaced with spare units in the lanes and sent to vendors for replacement. Failed sign equipment was replaced with vendor provided spares. Crosstown re-terminated the connection to the OCTA 55NB info sign switch.

1.2.7 Information Technology

During the first quarter, routine IT operations including hardware maintenance, security patches, and updates were performed on schedule. Migration from WhatsUp Gold to Solarwinds has been completed for system monitoring as well. New Virtual Machine group was installed and configured on Nimble. All NetApp VMs were successfully migrated to the new Nimble VM farm. Quarterly and monthly system checks were also completed on schedule.

On July 24, 2018, in the late evening, the Barracuda Web Filter became unresponsive and required a power cycle to regain functionality.

2. FINANCIAL PERFORMANCE

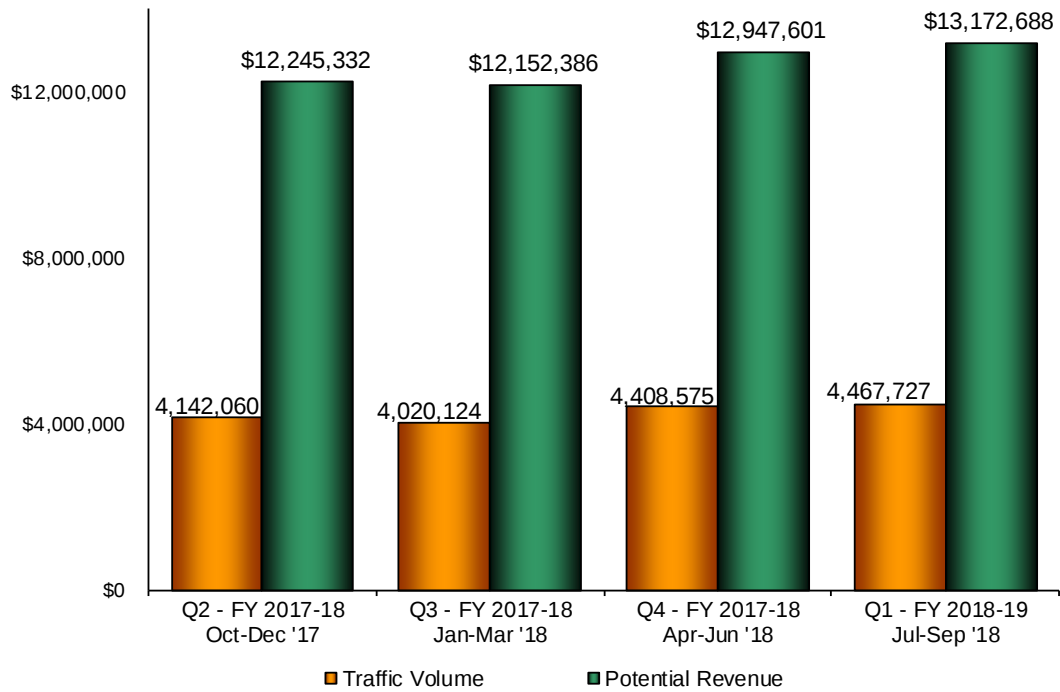
Traffic and revenue statistics for the first quarter of FY 2018-19 are detailed in Section 1.1 of this report. OCTA prepares the consolidated financials for the 91 Express Lanes. On a monthly basis, Cofiroute USA provides OCTA with financial data regarding certain revenue and expenditure categories and line items under Cofiroute USA control.

Cofiroute USA continues to provide OCTA with the required financial information on or before the required date each month.

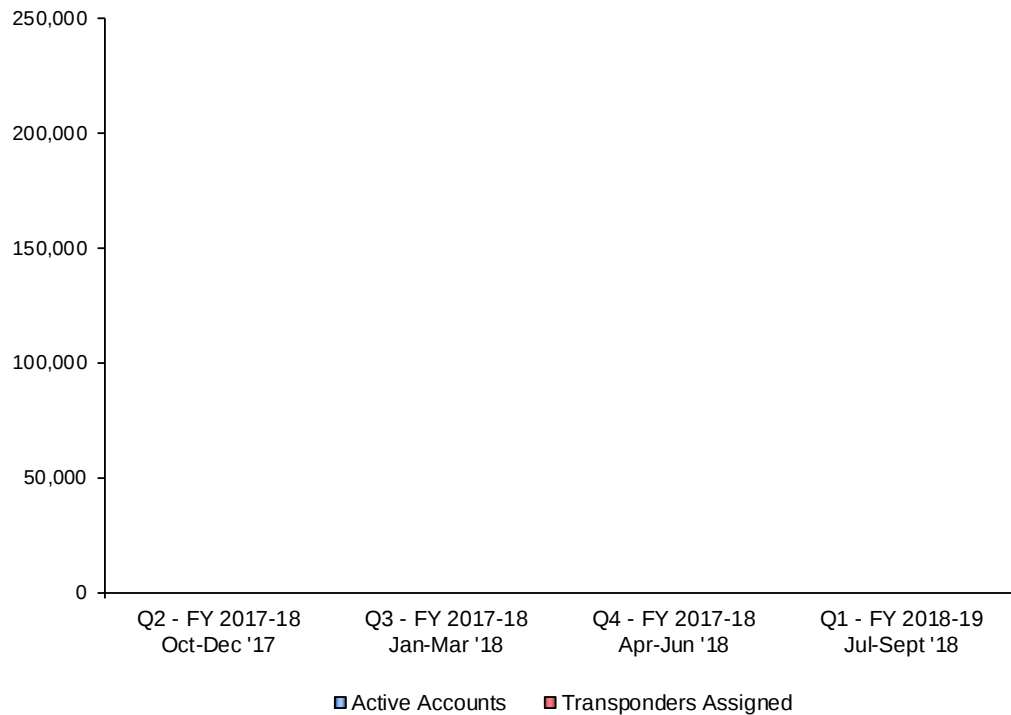
3. OTHER ACTIVITIES AND ISSUES

OCTA'S FISCAL YEAR 2018-19 ~ Q1 Most-recent Four Quarters

TRAFFIC VOLUME & ASSOCIATED POTENTIAL REVENUE



ACTIVE ACCOUNTS AND TRANSPONDERS ASSIGNED- REDACTED



Sample Weekday Peak-Hour Traffic, Global Demand and Traffic and Revenue Statistics

Following are the Weekday Peak-Hour Traffic, Global Demand and Traffic and Revenue statistics for the 91 Express Lanes for the period Jan 06-12, 2019. The Multi Agency Trip and Revenue Statistics and Weekday Peak Volumes for Determining Toll Adjustments are also provided.

WEEKDAY PEAK-HOUR TRAFFIC

Eastbound PM Peak

PM Time	Monday 01/07/19				Tuesday 01/08/19				Wednesday 01/09/19				Thursday 01/10/19				Friday 01/11/19			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
1400 - 1500	\$5.05	445	2,494	73%	\$5.05	478	2,851	84%	\$5.05	448	2,885	85%	\$5.95	534	3,260	96%	\$6.35	588	3,359	99%
1500 - 1600	\$5.40	713	3,274	96%	\$5.65	683	2,823	83%	\$7.00	749	2,959	87%	\$6.00	680	3,093	91%	\$9.65	785	2,632	77%
1600 - 1700	\$5.25	470	2,765	81%	\$5.50	492	2,917	86%	\$6.75	518	3,151	93%	\$8.80	597	3,020	89%	\$9.45	531	2,617	77%
1700 - 1800	\$5.20	623	3,053	90%	\$5.40	539	2,880	85%	\$6.90	479	2,493	73%	\$9.20	530	2,357	69%	\$6.90	627	2,872	84%
1800 - 1900	\$5.40	768	2,576	76%	\$3.85	741	2,953	87%	\$3.85	751	2,902	85%	\$4.75	761	2,978	88%	\$6.40	796	2,889	85%
1900 - 2000	\$3.75	436	1,379	41%	\$3.75	653	2,347	69%	\$3.75	728	2,573	76%	\$5.50	761	2,646	78%	\$5.95	685	2,149	63%

Westbound AM Peak

AM Time	Monday 01/07/19				Tuesday 01/08/19				Wednesday 01/09/19				Thursday 01/10/19				Friday 01/11/19			
	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.	Price	HOV	Vol.	Cap.
0400 - 0500	\$3.00	772	2,461	72%	\$3.00	775	2,343	69%	\$3.00	771	2,393	70%	\$3.00	780	2,335	69%	\$3.00	670	1,936	57%
0500 - 0600	\$4.85	868	2,383	70%	\$4.85	993	2,639	78%	\$4.85	902	2,518	74%	\$4.85	892	2,504	74%	\$4.60	806	2,420	71%
0600 - 0700	\$5.05	626	2,043	60%	\$5.05	632	2,021	59%	\$5.05	675	2,130	63%	\$5.05	656	2,103	62%	\$4.85	651	2,012	59%
0700 - 0800	\$5.55	495	2,008	59%	\$5.55	511	2,054	60%	\$5.55	480	1,944	57%	\$5.55	528	2,091	62%	\$5.40	486	1,963	58%
0800 - 0900	\$5.05	353	1,968	58%	\$5.05	321	1,962	58%	\$5.05	365	2,042	60%	\$5.05	394	2,123	62%	\$4.85	339	1,904	56%
0900 - 1000	\$4.00	404	1,987	58%	\$4.00	350	1,966	58%	\$4.00	411	2,104	62%	\$4.00	395	2,242	66%	\$4.00	359	1,601	47%

WEEKDAY PEAK-HOUR GLOBAL DEMAND

The following throughput data is obtained from the PeMS (Freeway Performance Measurement System) website. This project is conducted by UC Berkeley, with the cooperation of Caltrans. The following Combined Facility data is compiled at the mid-point of the facility using Caltrans' loops; therefore, traffic volumes are only a representation of throughput in the 91 Corridor and will differ from traffic volumes obtained through OCTA's Toll Plus system.

FY 2018-19 Wk	Week Days Monday-Friday	Lanes	Eastbound Demand 2:00-7:59 pm	EB Capture Rate	Westbound Demand 4:00-9:59 am	WB Capture Rate	Combined Facility Demand	Overall Capture Rate
28	Jan 06-12 2019	91EL	82,857	37%	50,151	21%	133,008	28%
		Mainline	143,237	63%	192,674	79%	335,911	72%
		TOTAL:	226,094		242,825		468,919	

TRIP AND REVENUE STATISTICS

WEEK ENDING January 12, 2019

(FY 2018-19 and FY 2017-18 data is for Sunday through Saturday)

	FY 2018-19 Current Week Actual	Stantec Current Week Projected	# Variance	% Variance	FY 2017-18 Corresponding Week Actual	Yr-to-Yr % Variance
Trips						
Full Toll Lanes	230,203	242,929	(12,726)	(5.2%)	217,347	5.9%
3+ Lanes	83,315	70,429	12,886	18.3%	72,583	14.8%
Total Gross Trip	313,518	313,358	160	0.1%	289,930	8.1%
Revenue						
Full Toll Lanes	\$ 929,881	\$ 985,987	\$ (56,106)	(5.7%)	\$ 865,878	7.4%
3+ Lanes	\$ 18,807	\$ 18,810	\$ (3)	(0.0%)	\$ 17,343	8.4%
Total Gross Revenue	\$ 948,688	\$ 1,004,797	\$ (56,108)	(5.6%)	\$ 883,221	7.4%
Average Revenue Per Trip						
Average Full Toll Lanes	\$4.04	\$4.06	(\$0.02)	(0.5%)	\$3.98	1.5%
Average 3+ Lanes	\$0.23	\$0.27	(\$0.04)	(14.8%)	\$0.24	(4.2%)
Average Gross Revenue	\$3.03	\$3.21	(\$0.18)	(5.6%)	\$3.05	(0.7%)

MONTH-TO-DATE AS OF January 12, 2019

(FY 2018-19 and FY 2017-18 data is for January 01, 2019 through January 12, 2019)

	FY 2018-19 MTD Actual	Stantec MTD Projected	# Variance	% Variance	FY 2017-18 MTD Actual	Yr-to-Yr % Variance
Trips						
Full Toll Lanes	373,445	383,428	(9,983)	(2.6%)	365,215	2.3%
3+ Lanes	142,988	128,246	14,742	11.5%	124,782	14.6%
Total Gross Trip	516,433	511,674	4,759	0.9%	489,997	5.4%
Revenue						
Full Toll Lanes	\$ 1,535,729	\$ 1,555,591	\$ (19,862)	(1.3%)	\$ 1,493,634	2.8%
3+ Lanes	\$ 31,262	\$ 29,676	\$ 1,586	5.3%	\$ 33,222	(5.9%)
Total Gross Revenue	\$ 1,566,991	\$ 1,585,267	\$ (18,277)	(1.2%)	\$ 1,526,856	2.6%
Average Revenue Per Trip						
Average Full Toll Lanes	\$4.11	\$4.06	\$0.05	1.2%	\$4.09	0.5%
Average 3+ Lanes	\$0.22	\$0.23	(\$0.01)	(4.3%)	\$0.27	(18.5%)
Average Gross Revenue	\$3.03	\$3.10	(\$0.07)	(2.3%)	\$3.12	(2.9%)

FISCAL YEAR-TO-DATE AS OF January 12, 2019

(FY 2018-19 and FY 2017-18 data is for July 01 through January 12, 2018)

	FY 2018-19 YTD Actual	Stantec YTD Projected	# Variance	% Variance	FY 2017-18 YTD Actual	Yr-to-Yr % Variance
Trips						
Full Toll Lanes	6,846,790	6,971,875	(125,085)	(1.8%)	6,576,244	4.1%
3+ Lanes	2,478,258	2,137,259	340,999	16.0%	2,204,425	12.4%
Total Gross Trip	9,325,048	9,109,134	215,914	2.4%	8,780,669	6.2%
Revenue						
Full Toll Lanes	\$ 27,154,221	\$ 27,773,825	\$ (619,603)	(2.2%)	\$ 25,620,257	6.0%
3+ Lanes	\$ 481,177	\$ 529,770	\$ (48,593)	(9.2%)	\$ 460,807	4.4%
Total Gross Revenue	\$ 27,635,399	\$ 28,303,595	\$ (668,196)	(2.4%)	\$ 26,081,063	6.0%
Average Revenue Per Trip						
Average Full Toll Lanes	\$3.97	\$3.98	(\$0.01)	(0.3%)	\$3.90	1.8%
Average 3+ Lanes	\$0.19	\$0.25	(\$0.06)	(24.0%)	\$0.21	(9.5%)
Average Gross Revenue	\$2.96	\$3.11	(\$0.15)	(4.8%)	\$2.97	(0.3%)

MULTI AGENCY TRIP AND REVENUE STATISTICS

WEEK ENDING January 12, 2019

(FY 2018-19 data is for Sunday through Saturday)

FY 2018-19 Current Week	Transactions by Agency	Transactions Using Both Segments	% Using Both Segments	Revenue
Westbound				
OCTA	151,850	96,092	63%	\$ 379,500
RCTC	148,370	96,092	65%	\$ 725,850
I-15	63,255	43,510	69%	\$ 309,963
McKinley	85,115	52,582	62%	\$ 415,887
Eastbound				
OCTA	161,668	85,973	53%	\$ 569,188
RCTC	122,335	85,973	70%	\$ 390,509
I-15	44,303	34,988	79%	\$ 97,977
McKinley	78,032	50,985	65%	\$ 292,532



OCTA WEEKDAY PEAK VOLUMES FOR DETERMINING TOLL ADJUSTMENTS

Week Ending January 12, 2019
OCTA FY 2018-19 - Week 28

CR = Congestion-relief Adjustment in place - 6-month freeze on any increase
COLA = Cost of Living Adjustment implemented July 1 each FY. No freeze on future adjustments.
Week containing a Holiday toll adjustment
Week containing a traffic anomaly, major incident or accident
12-week period selected for Congestion-relief Adjustment at beginning of next Quarter
Most recent 12-consecutive-week period (excluding weeks containing Holidays or Traffic Anomalies)

Traffic volume > 3,128 is flagged for review. When flagged hours occur 6 or more times during the most recent 12-week period and the average flagged-volume is > 3,128, the toll for that day and time will be increased as follows

Green	= to or < 2,720	previously adjusted hour flagged for possible .50¢ toll reduction
Yellow	= 2,721 through 3,127	not flagged for adjustment
Orange	= to or > 3,128	flag for qualifying hours for possible toll increase
Red	3,200 - 3,299	Eligible for .75¢ increase
Dark Red	= to or > 3,300	Eligible for \$1.00 increase

FY 2018-19 Congestion-relief Toll Adjustments

July 1, 2018	Hours received a COLA adjustment for this Quarter
October 1, 2018	5 Hours received adjustments for this Quarter
January 1, 2019	4 Hours received adjustments for this Quarter
April 1, 2019	

FY Week	#	Monday - Friday	MONDAY					TUESDAY					WEDNESDAY					THURSDAY					FRIDAY									
			2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00	2:00	3:00	4:00	5:00	6:00	7:00						
42	Apr 9-13		2,614	3,075	2,787	3,035	2,797	1,705	2,798	3,139	2,617	3,049	2,987	2,206	2,879	3,250	2,666	2,887	2,689	2,497	3,205	2,958	2,701	2,867	2,917	2,781	3,279	2,741	2,725	2,755	2,880	2,210
43	Apr 16-20		2,519	3,067	2,985	3,024	2,681	1,698	2,841	3,097	2,657	3,092	2,639	1,986	2,595	3,511	2,251	3,121	2,979	2,094	3,085	3,262	2,559	2,888	2,962	2,056	3,331	2,840	2,813	2,942	2,607	2,057
44	Apr 23-27		2,457	2,968	2,964	2,914	2,556	1,530	2,832	3,010	2,460	3,016	2,818	2,176	2,964	3,364	2,451	3,122	3,182	2,173	3,257	3,070	2,577	2,738	3,029	2,522	3,295	2,648	2,674	2,976	2,577	1,906
45	Apr 30-May 4		2,584	3,024	2,941	3,104	2,271	1,545	2,920	3,163	2,565	2,955	2,688	1,624	2,829	3,024	2,550	3,101	2,776	1,655	3,282	3,017	2,512	2,869	2,867	2,330	3,276	2,567	2,380	2,426	2,993	1,863
46	May 7-11		2,590	3,112	3,073	2,825	2,322	1,518	2,565	3,174	2,534	2,902	2,944	1,947	2,947	3,175	2,332	2,833	2,980	2,207	3,101	3,257	2,799	2,880	2,874	2,386	3,250	2,883	2,969	2,889	2,231	1,881
47	May 14-18		2,432	2,974	2,923	2,943	2,493	1,513	2,726	2,930	2,607	2,903	3,032	2,066	2,847	2,883	2,632	2,980	3,052	2,101	3,069	3,213	2,660	2,844	3,190	2,373	3,250	2,706	2,720	2,832	2,707	1,999
48	May 21-25		2,400	3,055	3,085	3,010	2,228	1,272	2,866	3,200	2,675	2,971	2,674	1,811	2,824	2,887	3,100	2,084	2,887	2,970	2,975	2,047	2,804	2,970	2,975	2,047	3,250	2,847	2,776	2,580	2,101	888
49	May 28-Jun 1		916	999	938	911	852	924	2,935	3,125	2,667	2,985	2,901	1,930	2,844	3,251	2,575	2,973	2,910	1,929	3,243	3,245	2,555	2,975	3,051	2,192	3,248	2,674	2,814	2,894	2,336	912
50	Jun 4-8		2,520	2,976	2,778	2,945	2,554	1,702	2,841	2,959	2,528	2,885	2,968	2,169	2,905	3,251	2,527	2,888	2,836	1,872	3,126	3,047	2,548	2,744	2,852	2,419	3,277	2,733	2,814	2,812	2,745	1,836
51	Jun 11-15		2,479	3,076	2,981	2,916	2,694	1,914	2,655	3,025	2,516	2,880	2,884	2,244	2,742	3,251	2,661	2,774	2,980	2,178	2,777	3,026	2,538	2,841	2,948	2,373	3,250	2,638	2,669	2,925	2,678	1,979
52	Jun 18-22		2,527	3,010	2,803	2,546	2,806	1,609	2,794	2,939	2,485	2,896	3,022	1,133	2,747	3,254	2,190	2,903	3,062	2,552	3,139	2,930	2,459	2,791	2,976	2,749	3,250	2,764	2,665	2,592	2,689	2,019
53	Jun 25-29		2,429	2,832	2,937	2,937	2,820	1,849	2,841	3,131	2,668	2,932	2,867	1,438	2,842	3,242	2,560	2,793	2,952	2,220	2,973	2,957	2,688	3,029	2,550	2,564	3,213	2,602	2,621	2,831	2,827	2,049
1	Jul 2-6		2,429	2,880	2,902	3,013	2,415	1,677	3,242	2,851	2,846	3,011	2,760	1,960	2,857	3,241	2,616	2,552	2,628	695	2,816	2,915	2,746	2,213	2,333	1,661	3,155	2,543	2,550	2,458	2,124	1,672
2	Jul 9-13		2,534	3,151	2,905	3,012	2,520	1,766	2,834	2,730	3,132	2,414	2,932	2,378	2,902	3,177	2,821	2,533	3,179	2,121	3,174	2,625	2,991	2,531	2,977	2,387	3,259	2,600	2,670	2,943	2,667	2,059
3	Jul 16-20		2,272	3,121	2,854	2,860	2,728	1,900	2,734	2,861	3,347	2,512	2,945	2,316	2,768	3,132	2,812	2,553	2,816	2,671	3,087	2,998	2,864	2,542	2,896	2,551	3,260	2,651	2,270	2,828	2,574	1,993
4	Jul 23-27		2,692	3,000	2,721	3,032	2,901	1,875	2,747	2,702	3,041	2,493	2,977	2,259	2,973	3,335	2,760	2,485	2,893	2,472	3,165	2,960	2,915	2,392	2,908	2,534	3,222	2,836	2,903	2,887	2,404	2,034
5	Jul 30-Aug 3		2,640	2,878	2,842	3,031	2,831	1,879	2,949	2,800	3,509	2,698	3,163	2,510	2,958	3,335	2,908	2,477	3,108	2,227	3,254	3,163	3,018	2,480	2,850	2,390	3,292	2,671	2,681	2,828	2,727	2,059
6	Aug 6-10		2,636	3,061	2,825	3,000	2,468	2,263	2,869	2,890	3,047	2,514	2,835	2,490	2,936	3,238	2,749	2,548	3,003	2,474	3,176	3,094	3,109	2,565	3,037	2,017	3,295	2,532	2,560	2,644	2,689	2,091
7	Aug 13-17		2,610	2,927	2,802	2,847	2,984	1,840	2,949	2,735	3,255	2,689	2,902	2,514	3,129	2,742	2,608	2,412	2,910	2,562	3,239	3,193	3,002	2,429	2,934	2,345	3,241	2,674	2,714	2,839	2,788	2,047
8	Aug 20-24		2,637	3,137	2,898	2,944	2,292	2,292	2,907	2,766	3,023	2,456	2,794	2,503	2,978	3,111	2,850	2,666	2,952	2,385	3,158	2,987	2,963	2,654	2,902	2,478	3,194	2,618	2,665	2,687	2,797	1,876
9	Aug 27-31		2,503	2,979	2,858	2,988	2,891	2,231	2,740	2,682	3,279	2,468	2,929	2,379	2,864	3,147	2,805	2,634	2,959	2,547	3,174	3,075	2,567	2,565	2,842	2,630	3,290	2,720	2,681	2,645	2,634	1,002
10	Sep 3-7		941	945	933	879	919	1,012	2,811	2,749	2,944	2,559	2,970	2,201	2,989	3,143	2,790	2,486	3,130	2,415	3,158	3,051	3,002	2,432	2,793	2,308	3,339	2,611	2,773	2,911	2,794	1,792
11	Sep 10-14		2,472	3,034	2,885	3,018	2,798	1,735	2,753	2,806	3,231	2,669	2,980	2,029	2,905	3,098	2,652	2,633	2,987	2,633	3,175	3,109	2,830	2,446	2,855	2,656	3,322	2,775	2,867	3,091	2,995	2,435
12	Sep 17-21		2,585	3,097	2,879	2,872	2,825	1,896	2,789	2,318	2,679	2,734	2,908	2,745	2,962	3,041	2,645	2,930	2,474	3,169	3,007	2,854	2,508	3,141	2,682	3,330	2,642	2,642	2,642	2,642	2,435	
13	Sep 24-28		2,572	3,075	3,005	3,014	2,709	1,918	2,735	2,835	2,663	3,106	2,558	2,991	2,965	3,079	2,639	2,686	2,810	3,287	3,234	3,023	2,567	2,896	2,502	2,912	2,626	2,727	2,875	2,923	2,341	
14	Oct 1-5		2,476	2,884	3,036	3,204	2,401	1,755	2,844	2,891	2,985	2,952	2,878	2,386	2,893	3,344	2,961	2,592	3,023	1,993	3,150	3,039	2,574	2,767	2,847	2,865	3,303	2,833	3,032	2,811	2,811	2,147
15	Oct 8-12		2,555	2,898	2,838	3,019	2,442	1,726	2,923	2,820	3,017	2,858	2,987	2,467	2,990	3,184	2,915	2,626	2,922	2,550	3,311	3,056	2,592	2,889	2,910	2,674	3,569	2,709	2,792	2,856	2,734	2,329
16	Oct 15-19		2,435	2,942	2,943	2,987	2,645	1,702	2,825	2,456	2,915	3,125	3,106	2,185	3,011	3,166	2,920	2,514	3,036	2,198	3,303	3,106	2,502	2,880	3,071	2,453	3,344	2,675	2,933	2,957	2,666	2,305
17	Oct 22-26		2,564	3,051	2,948	3,048	2,676	1,751	2,928	2,849	2,861	3,151	3,024	2,323	3,075	3,219	2,548	2,593	2,945	2,565	2,701	3,271	2,554	2,939	2,979	2,513	3,491	2,906	2,831	2,797	2,865	2,326
18	Oct 29-Nov 2		2,589	3,195	2,919	2,876	2,844	2,095	2,875	2,715	2,894	2,982	3,002	2,514	3,215	3,230	2,915	2,603	3,085	1,573	3,307	3,455	2,610	2,833	2,848	2,293	3,395	2,841	2,735	2,896	2,946	2,388
19	Nov 5-9		2,650	3,077	2,946	3,165	2,832	2,041	3,030	2,855	2,939	2,879	3,102	2,495	2,971	3,276	2,831	2,519	2,532	1,590	3,234	2,953	2,473	2,824	2,787	2,729	3,309	2,606	2,757	2,856	2,826	2,246
20	Nov 12-16		2,135	2,789	2,504	2,491	1,953	1,417	2,814	2,803	2,856	3,010	3,035	2,198	2,861	3,095	2,728	2,592	3,176	2,515	3,224	3,269	2,524	2,814	2,976	2,387	3,403	2,669	2,674	2,806	2,788	2,851
21	Nov 19-23		2,782	2,981	2,828	2,873	2,758	1,998	3,166	2,306	2,758	2,838	2,851	2,500	3,241	2,676	2,631	2,479	1,970	1,617	1,809	1,587	1,549	1,671	1,522	1,732	1,371	1,819	1,246	1,154	868	858
22	Nov 26-30		2,649	3,037	2,860	2,910	2,786	1,732	2,955	2,856	2,960	3,003	2,962	2,275	2,828	3,246	3,053	2,669	2,941	2,797	2,755	2,992	2,236	2,274	2,542	1,702	3,508	2,664	2,687	2,644	2,630	1,876
23	Dec 3-7		2,512	3,076	2,901	3,117	2,720	2,247	2,908	2,870	2,816	2,950	3,083	2,793	2,681	3,183	2,613	2,203	2,376	1,558	2,645	2,764	2,270	2,617	2,722	2,027	3,367	2,649	2,618	2,930	2,876	2,139
24	Dec 10-14		2,655	3,084	2,918	2,954	2,777	2,255	2,969	2,763	2,736	2,812	2,948	2,936	2,988	3,347	2,841	2,131	2,990	2,936	2,946	3,105	2,636	2,815	2,177	3,153	3,397	2,750	2,771	2,978	2,828	2,298
25	Dec 17-21		2,700	3,035	3,049	2,892	2,697	2,225	2,957	2,755	2																					

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Other Sample Reports

Table C-1: Sample Reconciliation Report

Trip Reconciliation Report RCTC					
					Date: 12-30-2018
Lane Transactions					
RAMS Received Transactions			Distinct TZC Transactions		
Pre-processing Transactions					
Qualified Transactions			Unqualified Transactions		
No Tag or Plate Read Transactions			Duplicate - Unqualified State		
Plate Read and Tag Read Transactions			Multiple Transactions		
Data Error - Unqualified State			Split Transactions		
Plate Read Qualified			Straddle - Unqualified State		
Tag Read Qualified			Total		
Total					
Grand Total					
Variance					
Trip Building Transactions					
Trip Building Transactions	Txn Count	Trip Count	Trip Building Trips		Trip Count
Transactions Built - Single Gantry			Multi Gantry	Trips Built Using Tag	
Transactions Built - Multi Gantry				Trips Built Using Tag - Rejected	
Trip Building Queue				Trips Built Using Plate	
Orphan Trip - Rejected				Trips Built Using Plate - Rejected	
Transactions in Image Review				Orphan Rejected Trips	
Transaction Hold for Images				Total	
Entry and Exit Date are Different			Single Gantry	RC-91 Trips	
Total				RC-91 Trips - Rejected	
				I-15 Trips	
				Orphan Rejected Trips	
				Total	
			Grand Total		
Processed Trips			Variances		
	Trip Count	Potential Revenue	Qualified Trip Count		
Customer Trips			Processed Trip Count		
Dismissed			Variance		
Image Review					
In Process					
IOP Trips					
Violated Trips					
Total					
Reprocessed Trips					
Grand Total					

Note: Data redacted

Trip Reconciliation		Trip Count	Potential Rev
Customer Trips	Customer Posted		
	Adjusted		
Dismissed	Trips are in Image Review		
	Hotplate		
	Post the Transaction to the Unidentified Account		
	Transaction is in Tripbuilding Queue		
	Preprocess		
Image Review	Pending		
	Outstanding		
In Process	RCA Response Pending		
	OOSP Response Pending		
	Negative Balance Hold		
	Hold 21 Days Older		
	Hold for Process		
	Hold for Trip Pricing		
	Transaction Hold for Images		
IOP Trips	Posted to IOP Customer		
	Rejected		
Violated Trips	Violator Posted		
	Linked to Customer		
	Dismissed		
Total			
Reprocessed Trips	Linked to Customer		
	Linked to Violator		
	Linked to IOP		
Grand Total			

Note: Data redacted

Table C-2: Sample Reconciliation Image Review Dismissals by Reason Code**Date: 01-01-2019**

Reason Code	IMR Count
BLURRED	
CHP	
CO/FLAG	
DMVISSUE	
GLARE	
IMGDARK	
IMGHIGH	
IMGLOW	
MOTORCYCLE	
NOPLATES	
NOVEHICLE	
OBSTRUCTED	
OCTABUS	
OUTOFCOUNTRY	
PAPERPLATES	
POLICE	
POORRES	
RTABUS	
STRADDLE	
Total	

Note: Data redacted

Table C-3: Reconciliation IMR Sub Set

Date: 01-01-2019

Trip Reconciliation Type		IMR Count
Customer Trips	Customer Posted	
	Adjusted	
Dismissed	Trips are in Image Review	
	Transaction is in Tripbuilding Queue	
	Hotplate	
Image Review	Pending	
	Outstanding	
In Process	OOSP Response Pending	
	RCA Response Pending	
	Negative Balance Hold	
	Hold 21 Days Older	
	Hold for Process	
	Hold for Trip Pricing	
	Transaction Hold for Images	
IOP Trips	Posted to IOP Customer	
	Rejected	
Violated Trips	Violator Posted	
	Dismissed	
	Linked to Customer	
Total		
Reprocessed Trips	Linked to IOP	
	Linked to Customer	
	Linked to Violator	
Grand Total		

Note: Data redacted

Table C-4: Excerpt from Active Customers by Zip/City Report

Zip1	City	AccountStatus	Total
92277	29 PALMS	AC	
92530	3257 MOUNTAIN ST	AC	
92865	92865	AC	
98520	ABERDEEN	AC	
21009	ABINGDON	AC	
24210	ABINGDON	AC	
24211	ABINGDON	AC	
70420	ABITA SPRINGS	AC	
93510	ACTON	AC	
30101	ACWORTH	AC	
49355	ADA	AC	
75001	ADDISON	AC	
92301	ADELANTO	AC	
92301	ADELATO	AC	

Note: Data has been redacted.

Table C-5: Sample RCTC Maintenance Mode Trips Report

4020		
4022		
Total:		

Trip Date	Trip Hour	Plaza Id	LN1 Count	LN1 Toll	LN2 Count	LN2 Toll	LN3 Count	LN3 Toll	Plaza Cnt	Plaza Toll
1/21/2019										
1/21/2019										
1/21/2019										
1/21/2019										
1/26/2019										
1/26/2019										
1/26/2019										
1/26/2019										
1/26/2019										
1/26/2019										

Note: Data redacted

Table C-6: Sample Monthly Counts Online Tracking Report

	July		August		September		October	
Transaction Type	#	%	#	%	#	%	#	%
Opt In E-Statement								
Online Applications								
Address Update								
Close Account								
Contacts Updated								
Credit Card Payment								
Credit Card Update								
Email Update								
Lost/Stolen Tag Reported								
Tag - Additional Requested								
Tag - Replacement Requested								
Password Change								
Phone Update								
Pin Updated								
Email Username/Password								
Plan Change								
Security Questions Added								
Security Questions Updated								
Vehicle Added								
Vehicle Deactivated								
Vehicle Updated								
Violation Payment								
Total Online Transactions								
→								
+/-								

Note: Data redacted

Table C-7: Sample Weekly Recap Report

Weekly Recap - January 27 through February 02, 2019				
	Actual Potential	Stantec Projected	Variance	Variance %
Total Revenue				
Total Traffic				
Direction	HOV	SOV	Total	HOV %
EB Traffic				
WB Traffic				
Total				
Destination	HOV	SOV	Total	Destination %
EB County Line to I-15				
EB County Line to McKinley				
Total				
WB I-15 to County Line				
WB McKinley to County Line				
Total				
Peak Period Recap	Volume	LOS	Toll Price	Day of Week & Hour
EB County Line to McKinley				
WB McKinley to County Line				
Performance - Peak Period				
EB Speed Highest Volume Hour				
EB Speed Average Peak Period				
WB Speed Highest Volume Hour				
WB Speed Average Peak Period				

Note: Data redacted

Performance - Single Lane Throughput		Volume	LOS	Day of Week & Hour
County Line to I-15 Southbound				
County Line to McKinley				
I-15 Northbound to County Line				
McKinley to County Line				
		Actual		
% of Customers without Transponder Read				

Note: Data redacted

Table C-8: Sample RCTC Weekly Trip Counts Report

sdt Biz Date	EB HOV	EB SOV	EB ALL	WB HOV	WB SOV	WB ALL	SB HOV	SB SOV	SB ALL	NB HOV	NB SOV	NB ALL	ALL
1/27/2019													
1/28/2019													
1/29/2019													
1/30/2019													
1/31/2019													
2/1/2019													
2/2/2019													

Note: Data has been redacted.

Table C-9: Sample RCTC Weekly Trip Counts (Hourly Breakdown) Report

sdt Biz Date	i Hour Num	Ln1EBTrips	Ln2EBTrips	Ln3EBTrips	Ln1WBTrips	Ln2WBTrips	Ln3WBTrips	Ln1SBTrips	Ln2SBTrips	Ln3SBTrips	Ln1NBTrips	Ln2NBTrips	Ln3NBTrips
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
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1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													
1/27/2019													

Note: Table truncated to fit page. Would provide data for full week. Data has been redacted.

Table C-10: Sample Preprocessing Transaction Counts by Trip Segment and Trip Date Report

	RCTC											OCTA										
Hour	15NB L1	91WB L1	91WB L2	91WB L3	WB Total	91EB L1	91EB L2	91EB L3	15SB L2	EB Total	RC Total	91WB L1	91WB L2	91WB L3	WB Total	91EB L1	91EB L2	91EB L3	EB Total	OC Total	Total	Hour
0																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						

Note: Data redacted

Table C-11: Sample Image Dismissal Report

A												B														
Gantry	Image Dark	Blurred	Glare	Image High	Image Left	Image Low	Image Right	No Image	No Vehicle	Poor Resolution	Straddle	CalTrans	CHP	Company / Flag	DMV Issue	No Plate	FIRE	Gov't Vehicle	Motorcycle	MTA Bus	Obstructed	OCTA Bus	Out of Country	Paper Plate	Police	RTA Bus
EB																										
SB																										
NB																										
WB																										

A		B	

Gantry	TOTAL DISMISSED	TOTAL IMRs
EB		
SB		
NB		
WB		

Note: Data redacted

Table C-12: CSC Transponder Inventory Log

Date	Day	Transponder	Beginning	New	Recycled	New - Defect / Wrong Label	Tags	Physical Cnt	@ Other	Ending	Beginning	Daily	Recycled	Defects (W)	Defects (NW)	Physical Cnt	@ Other	Ending Balance @ CSC	Beginning	Defective	Defective	New - Defect /	Physical Cnt	Sent to transponder vendor	Sent to be	Ending	Tags At
		Inventory	Balance	Shipment	Transponders	Label	Replenished	Adjustment	Locations	Balance	Balance	Returns	(to col F)	(to col O)	(to col P)	Adjustment	Locations		Balance	(Warra nty)	(No Warra nty)	(Warra nty)	Adjustment		Destroyed	Balance	transponder vendor
		A + B + C	D	E	F	G	H			A	I	J	K	L	M			B	N	O	P	Q		R	S	C	
01/01/19	Tue																										
01/02/19	Wed																										
01/03/19	Thu																										
01/04/19	Fri																										
01/05/19	Sat																										
01/06/19	Sun																										
01/07/19	Mon																										
01/08/19	Tue																										
01/09/19	Wed																										
01/10/19	Thu																										
01/11/19	Fri																										
01/12/19	Sat																										
01/13/19	Sun																										
01/14/19	Mon																										
01/15/19	Tue																										
01/16/19	Wed																										
01/17/19	Thu																										
01/18/19	Fri																										

Table C-13: Sample Transponder Activity Report

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
AVAILABLE TO ISSUE												
Beginning Inventory On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
Add:												
New Transponders Received From transponder vendor	--	--	--	--	--	--	--					
Replacement tags Received From transponder vendor	--	--	--	--	--	--	--					
Recycled Transponders	--	--	--	--	--	--	--					
Received from OCTA to CSC	--	--	--	--	--	--	--					
Total Inventory Increase	--	--	--	--	--	--	--	--	--	--	--	--
Deduct												
Returned to transponder vendor - Defective New Tags												
Issued From CSC to Customers	--	--	--	--	--	--	--					
Issued From CSC to Processing Dept.	--	--	--	--	--	--	--					
Issued From CSC to OCTA	--	--	--	--	--	--	--					
Total Inventory Reduction	--	--	--	--	--	--	--	--	--	--	--	--
Physical Inventory Adjustments (+/-)	--	--	--	--	--	--	--	--	--	--	--	--
Transponders at other locations (+/-)	--	--	--	--	--	--	--	--				
Ending Inventory On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
Transponder Type Breakdown	--	--	--	--	--	--	--	--	--	--	--	
Internal Transponders	--	--	--	--	--	--	--					
External Transponders	--	--	--	--	--	--	--					
Switchable Transponders	--	--	--	--	--	--	--					
RETURNED TRANSPONDERS - NOT PROCESSED												
Beginning Returned Transponders On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
Add:												
Daily Returns	--	--	--	--	--	--	--					
Other Increases	--	--	--	--	--	--	--					
Total Increase	--	--	--	--	--	--	--	--	--	--	--	--
Deduct												
Recycled Transponders	--	--	--	--	--	--	--					
Defective Transponders Under Warranty	--	--	--	--	--	--	--					
Scrap Transponders	--	--	--	--	--	--	--					
Other Deductions												
Total Reduction	--	--	--	--	--	--	--	--	--	--	--	--
Physical Inventory Adjustments (+/-)	--	--	--	--	--	--	--	--	--	--	--	--
Ending Returned Transponders On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
SCRAP TRANSPONDERS												
Beginning Scrap Transponders On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
Add:												
Scrap Transponders	--	--	--	--	--	--	--					

		--	--	--	--	--	--	--					
	Hold to transponder vendor - Defective Transponders Under Warranty												
	Other Increases												
	Total Increase	--	--	--	--	--	--	--	--	--	--	--	--
Deduct													
	Destroyed Transponders	--	--	--	--	--	--	--					
	Sent to transponder vendor	--	--	--	--	--	--	--					
	Other Deductions	--	--	--	--	--	--	--	--	--	--	--	--
	Total Reduction	--	--	--	--	--	--	--	--	--	--	--	--
	Physical Inventory Adjustments (+/-)	--	0	--	--	--	--	--	--	--	--	--	--
	Ending Scrap Transponders On Hand at CSC	--	--	--	--	--	--	--	--	--	--	--	--
	Destination Breakdown												
	To go Enviroserv for destruction	--	--	--	--	--	--	--	--	--	--	--	--
		--	--	--	--	--	--	--	--	--	--	--	--
	To go to transponder vendor for evaluation and replacement												
		--	--	--	--	--	--	--	--	--	--	--	--
	TRANSPONDERS AT transponder vendor												
	Beginning Balance Transponders at transponder vendor	--	--	--	--	--	--	--	--	--	--	--	--
		--	--	--	--	--	--	--					
	Transponders sent to transponder vendor during the month												
	Transponders replaced and received from transponder vendor	--	--	--	--	--	--	--					
	Transponders debited against shipments - sent to transponder vendor not under warranty and sent back by transponder vendor for destruction	--	--	--	--	--	--	--					
	Transponders credited against shipments Agreement No. C-6-1365	--	--	--	--	--	--	--	--	--	--	--	--
	Ending Balance Transponders at transponder vendor	--	--	--	--	--	--	--	--	--	--	--	--

Note: Data has been redacted

Table C-14: Sample Transponder Inventory Report

[illegible]

Table C-15: Sample Summary of Findings (Transponders) Report

INVENTORY as of end-of-day

Date

	Physical Count	Clipboard Log	Difference	% error	Transponder Log
New					
Recycle					
Return @ CSC					
Defective (W)					
Scrap/Destroy (no W)					
At other location At transponder vendor					

Note: Data has been redacted.

Table C-16: Sample Transponder Analysis Report

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19
Orange Location							
Inventory Status	--	--	--	--	--	--	--
Anaheim Location							
Inventory Status	--	--	--	--	--	--	--
Corona							
Inventory Status	--	--	--	--	--	--	--
Returned Status	--	--	--	--	--	--	--
Assigned Status (Tag Rpt 9)	--	--	--	--	--	--	--
Total Transponders on Hand	--	--	--	--	--	--	--
Contract # C-6-1365 (2016 to present)							
# of transponders purchased to date					--	--	--
Unit cost							
Subtotal							
Sales Tax****							
Total Cost							
Contract # C-1-2915 (2012 to 2016)							
# of transponders purchased to date							
Unit cost							
Subtotal							
Sales Tax****							
Total Cost							
Contract # C-1-2915 (2012 to 2016)							
# of transponders purchased to date							
Unit cost							
Subtotal							
Sales Tax****							
Total Cost							
Contract # C-1-2915 (2012 to 2016)							
# of transponders purchased to date							
Unit cost							
Subtotal							
Sales Tax***							
Total Cost							
Contract # C-6-0802 (2007 to 2016)							
# of transponders purchased to date							
Unit cost							
Subtotal							
Sales Tax***							
Total Cost							
Total Inventory Valuation - FIFO							

Note: Data has been redacted.

Table C-17: Sample RCTC Toll Credits Report

Trip Month	TOTAL		Congestion Credits		Toll Credits		Anniversary Credits	
	Count	Dismissed Amount	Count	Amount	Count	Amount	Count	Amount
201703								
201704								
201705								
201706								
201707								
201708								
201709								
201710								
201711								
201712								
201801								
201802								
201803								
201804								
201805								
201806								
201807								
201808								
201809								
201810								
201811								
201812								
201901								
TOTAL								

Note: Data has been redacted