

DeviceEventsWithDataTransaction		
FK	EnvelopeHeaderVersion	tinyint
FK	OperatorID	int
FK	SecurityModuleID	bigint
FK	DeviceSerialNumber	bigint
FK	VehicleID	int
FK	RouteID	int
FK	SequenceNumber	bigint
FK	GenerationTime	datetime
FK	RecordType	tinyint
FK	SubType	smallint
PK	EventCode	smallint
	UDSequenceNumber	bigint
	BatchSequenceNumber	int
	LocationId	int
	CardSerialNumber	bigint
	TxnRouteId	int
	EmployeeId	varchar(8)
	OperatorSpecificData1	bigint
	OperatorSpecificData2	bigint
	OperatorSpecificData3	bigint
	OperatorSpecificData4	bigint
	StationOrLocation	int
	AvmNumber	int
	RevenueServiceDateTime	datetime
	PulledVaultSerialNum	bigint
	InsertedVaultSerialNum	bigint
	NumberOf1Notes	int
	NumberOf5Notes	int
	NumberOf10Notes	int
	NumberOf20Notes	int
	AmountPulled	bigint
	NewVersion	bigint
	LastConnection	datetime
	InstallationId	varchar(30)
	NumSlaveDevices	int
	NumberOfCDFFiles	int

Date Range: 1/21/2013 — 4/23/2034  
Records: 234,150,111  
(44,860,167 in 2015-2016)  
(35 past 2018)

clipper_account		
	state	character(2)
	zip	int
PK	card_serial_number	bigint
	card_type	varchar

Records: 1,048,562

Routes		
FK	ParticipantID	int
PK	RouteID	smallint
	RouteName	varchar(50)

Records: 1,059

RoutesDetail		
FK	ParticipantID	int
PK	RouteID	int
	RouteOperator	int
	RouteOwner	int
PK	InsertTime	datetime

Records: 118

Participants		
PK	ParticipantID	int
	ParticipantName	varchar(30)

Records: 637

Products		
FK	IssuerID	int
PK	ProductType	smallint
FK	ProductCategory	smallint
	Description	varchar(80)

Records: 250

ProductCategories		
PK	ProductCategory	smallint
	Description	varchar(40)

Records: 5

ContractProdTypeMap		
PK	ContractType	int
FK	IssuerID	int
FK	ProductType	smallint

Records: 290

Locations		
PK	LocationCode	int
	LocationName	varchar(50)
FK	LocationType	smallint
FK	ParticipantID	int
	ParticipantLocationCode	varchar(10)

Records: 806

LocationZones		
	ParticipantID	int
PK	LocationCode	int
	ZoneParticipant	int
	ZoneLocation	int

Records: 31

LocationTypes		
PK	LocationType	smallint
	Description	varchar(30)

Records: 5

SfoFareTransaction		
FK	EnvelopeHeaderVersion	tinyint
FK	OperatorID	int
FK	SecurityModuleID	bigint
FK	DeviceSerialNumber	bigint
FK	VehicleID	int
FK	RouteID	int
FK	SequenceNumber	bigint
FK	GenerationTime	datetime
FK	RecordType	tinyint
FK	SubType	smallint
FK	ApplicationSerialNumber	bigint
	ApplicationTransactionSequenceNumber	int
	TransactionQualifierNegativeFare	smallint
	TransactionQualifierSpecialFailure	smallint
	ContractID	int
	ContractSerialNumber	int
	ProductCategory	smallint
	MultiRideBookAmount	bigint
	MultiRideBookBalance	bigint
	GenericECashPurseAmount	int
	GenericECashPurseBalance	money
	PurseAmount	money
	PurseBalance	money
	FareCategory	smallint
	TransferOperator	int
	TransferDiscountFlag	tinyint
	RideAnnulled	tinyint
	OriginLocation	int
	DestinationLocation	int
	TripSequenceNumber	bigint
	StartTime	datetime
	InstitutionID	int

Date Range: 2/15/2015 — 11/13/2017  
Records: 650,695,058  
(650,686,673 for 2015-2016)

SfoAddValueTransaction		
FK	EnvelopeHeaderVersion	tinyint
FK	OperatorID	int
FK	SecurityModuleID	bigint
FK	DeviceSerialNumber	bigint
FK	VehicleID	int
FK	RouteID	int
FK	SequenceNumber	bigint
FK	GenerationTime	datetime
FK	RecordType	tinyint
	SubType	smallint
	ApplicationSerialNumber	bigint
	ApplicationTransactionSequenceNumber	int
	TransactionQualifierNegativeFare	smallint
	TransactionQualifierSpecialFailure	smallint
	ContractSequenceNumber	int
	ContractID	int
	ContractSerialNumber	int
	ValueAddedTransLinkECash	money
	ValueAddedPeriodPass	bigint
	ValueAddedMultiRide	bigint
	ValueAddedGenericECash	money
	UpdatedValueTransLinkECash	money
	UpdatedValuePeriodPass	datetime
	UpdatedValueMultiRide	bigint
	UpdatedValueGenericECash	money
	OriginLocation	int
	DestinationLocation	int
	PurchasePrice	money
	StartDate	datetime
	ExpiryDate	datetime
	CashPaymentPurchasePrice	int
	CheckPaymentPurchasePrice	int
	CreditCardPaymentPurchasePrice	int
	DebitCardPaymentPurchasePrice	int
	InstitutionalPass	int

Date Range: 1/22/2013 — 11/6/2017  
Records: 25,550,917  
(11,271,187 in 2015-2016)

Contains PII

Key Table

SfoTOTAddValueTransaction		
FK	EnvelopeHeaderVersion	tinyint
FK	OperatorID	int
FK	SecurityModuleID	bigint
FK	DeviceSerialNumber	bigint
FK	VehicleID	int
FK	RouteID	int
FK	SequenceNumber	bigint
FK	GenerationTime	datetime
FK	RecordType	tinyint
FK	SubType	smallint
PK	ApplicationSerialNumber	bigint
	ApplicationTransactionSequenceNumber	int
	TransactionQualifierNegativeFare	smallint
	TransactionQualifierSpecialFailure	smallint
	ContractSequenceNumber	int
	ContractID	int
	ContractSerialNumber	int
	ValueAddedTransLinkECash	money
	ValueAddedPeriodPass	bigint
	ValueAddedMultiRide	bigint
	ValueAddedGenericECash	money
	UpdatedValueTransLinkECash	money
	UpdatedValuePeriodPass	datetime
	UpdatedValueMultiRide	bigint
	UpdatedValueGenericECash	money
	OriginLocation	int
	DestinationLocation	int
	TotalPayment	bigint
	ReceiptNumber	int
	NumberOfPaymentItems	tinyint

Date Range: 2/8/2013 — 11/6/2017  
Records: 57,677,509  
(12,699,853 in 2015-2016)