

Attachment 6

Data Dictionary

Transaction Data Fields	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Transaction ID	Unique Identifier assigned to each transaction generated by the system	
Transaction Date/Time	Timestamp associated with vehicle transaction as it occurred in the lane	
Facility	NCTA Facility ID	
Toll Zone	Toll Zone ID	
Lane	Lane number (0-XX, right to left for each zone)	
Vehicle Class	Vehicle class based on NCTA classification structure	
Number of Axles	Number of axles detected by AVC	
Vehicle Length	Detected vehicle length	
Speed	Speed of vehicle	
Tag Number	Tag Number - currently 3-digit agency code and 8-digit serial number - subject to change	
Tag Status	Tag Status assigned to transaction based on Tag Status File provided by BOS	
Tag Protocol	TDM, 6C or SeGo	
Tag Class	Classification programmed into the transponder and read by AVI	
Plate State	Issuing Authority of vehicle license plate sent to BOS as part of transaction file	
Plate Number	Full License plate number assigned to transaction sent to BOS as part of transaction file	
Plate Type	Plate type sent to BOS as part of transaction file	
Transaction Type	AVI, Image-Based, Flushed Transponder, Wrong Way Vehicle	
Lane Degradation	An indicator of any issues reported in the lane system at the time of transaction	
Lane Mode	Operating Mode of the lane at the time of the transaction - Open, Emergency, Maintenance, Closed, Etc..	
Straddle Flag	Y/N indicating if the vehicle was straddling through the zone or not	
Image Processing Type	MIR, OCR (if there are several OCR engines used, identify which was chosen as prime or provide details for all)	
AVI Transaction Fare	AVI Transaction Fare assigned to the transaction based on the fare table (fare may vary due to vehicle class, payment type, transaction time, Lane Mode and/or HOV Status)	

Transaction Data Fields (cont'd)	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Image-Based Transaction Fare	Image Based Transaction Fare assigned to the transaction based on the fare table (fare may vary due to vehicle class, payment type, transaction time, and/or lane mode)	
Vehicle Length	Detected vehicle length	
HOV Tag Status	HOV Status declared through transponder	
HOV Predeclared Status	HOV Status provided through outside interface	
Assigned Fare	Fare amount assigned to transaction based on system rules (either the AVI Transaction Fare or Image based Transaction Fare)	
Transaction File Name	The name of the Transaction File sent to BOS containing the subject transaction	
Transaction Delivery Date/Time	Date/time at which the transaction file containing the subject transaction was sent to the BOS	
BOS Disposition	Disposition value provided by the BOS - accepted, rejected, adjusted (if rejected, provide reject code)	
Financial Disposition	Amount posted by BOS (provided within disposition file containing subject transaction)	
BOS Disposition File	The name of the Disposition File sent by BOS containing the subject transaction	
Disposition Receipt Date/Time	Date/time at which the disposition file containing subject transaction was received from the BOS	
Transaction Status	Current Status of the Transaction (image review pending, batched for delivery to BOS, sent to BOS, rejected in MIR, etc..)	
Time Received by RSS	Timestamp for which transaction was received from the lane in the RSS	
Number of Images	Number of images associated with the transaction	
Image ID	Unique Identifier of each image assigned to a transaction	
OCR Plate State Value	Issuing Authority of vehicle license plate produced through OCR	
OCR Plate Number Value	Full License plate number produced through OCR	
OCR Plate Type Value	Plate Type as assigned by OCR	
OCR Confidence	OCR Confidence value. Possibly up to 3 fields if plate number, plate state and plate type each have independent confidence values	
OCR Processing Time	Timestamp for when OCR value was assigned to the transaction	

Transaction Data Fields (cont'd)	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
MIR Plate State Value	Issuing Authority of vehicle license plate produced through MIR	
MIR Plate Number Value	Full License plate number produced through MIR	
MIR Plate Type Value	Plate Type produced through MIR	
MIR Processing Time	Timestamp for when MIR value was assigned to the transaction	
MIR Reviewer	The user that provided the MIR value (Could be multiple fields for multiple reviewers)	
MIR Reject	The code (reject reason) applied to a rejected image	
Transaction Amendment Timestamp	Timestamp associated with any amendment to the transaction record	

Tag Status File Data Fields	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Tag Status File Name	The name of the tag status file provided by BOS	
Tag Status File Received Date/Time	The date/time the tag status file was received from the BOS	
Tag Status Processed Date/Time	The date/time for when the tag file was fully implemented at each toll zone	
Tag Status File ACK	ACK send to BOS	

Fare Table Data Fields	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Fares	Fare values associated with each location, vehicle classification and payment type	
Fare Start Date/Time	Date/Time at which a fare begins to be assigned to transactions in the lane	
Fare End Date/Time	Date/Time at which a fare ceases to be assigned to transactions in the lane	

Maintenance Data Fields	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Ticket ID	Unique Identifier for a ticket or alert	
Ticket Name	Standardized name for type of ticket	
Ticket Priority	Ticket Priority, aligning with Response/Repair priority levels in the RFP	
Equipment Serial Number	Unique Identifier for the failed device, as applicable	
Date/Time Detected	Date and time the ticket was generated	
Assigned Technician	Technician assigned the ticket (based on on-call roles/schedules)	
Ticket Status	Current status of the ticket - open, acknowledged, repaired, closed etc..	
Date/Time Last Updated	The date and time the ticket was last updated	
Source of Update	Technician or system feature that provided the last update	
Ticket Location	Examples include: Toll Zone, Lane, ITS location, Host	
Ticket Description	Long form description of the issue associated with the ticket name	
Technician Notes	Any notes provided by the technician throughout the process	
Ticket Amendment Timestamp	Timestamp associated with any amendment to the maintenance ticket record	

Equipment Tracking Data Fields	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Equipment Serial Number	Unique identifier for each device tracked in the system	
Equipment Name	Short name of the device	
Equipment Manufacturer	Equipment Manufacturer	
Equipment Part Number	Manufacturer provided part number	
Equipment Location	Facility/toll zone/lane/warehouse etc..	
Equipment Status	Functioning, failed, out for repair, storage, etc..	
Equipment Amendment Timestamp	Timestamp associated with any amendment to the equipment tracking record	
Equipment Warranty End Date	End date for manufacturer warranty	

Intelligent Transportation Systems	Data Field Description	Contractor Compliance (Existing, Adjustment, or New Development)
Travel Time	Time required to travel between Toll Zones	
Volume	Number of vehicles during defined interval (typically 15 minutes)	
Density	Number of vehicles occupying a defined length of the the Roadway	
Speed	Velocity of vehicle at a point in time or between Roadway segments.	
Toll Rate message	Message that contains toll rate information to post to sign	
Toll Rate time stamp	Timestamp on message that contains toll rate information to post to sign	
Travel time message	Message that contains travel time expected on the Toll Facility between start and end of the facility	
Travel time time stamp	Timestamp that contains travel time expected on the Toll Facility between start and end of the facility	