

TRAFED / CORSIM

Cross-reference by Dialog

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Prepared by:

ITT Industries, Inc., Systems Division
ATMS R&D and Systems Engineering Program Team
P.O. Box 15012
Colorado Springs, CO 80935-5012

Prepared for:

FHWA Office of Operations Research, Development and Technology
Federal Highway Administration
Turner-Fairbank Highway Research Center
6300 Georgetown Pike
McLean, Virginia 22101-2296

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1 Introduction

1.1 Welcome

This cross-reference supports traffic engineers using TRAFED and CORSIM to create and modify CORSIM traffic networks. The cross-reference describes neither the technical aspects of CORSIM, nor the types of analyses that can be performed using traffic simulations.

TRAFED is a new product designed to create models of traffic networks using a point-and-click, graphical user interface. It is designed to support users of the Federal Highway Administration's (FHWA's) CORSIM microscopic traffic simulator. The goal of TRAFED is to allow traffic engineers to quickly and easily layout and build simulated traffic networks without having to know the internal workings of the traffic simulation that will be used to perform analysis. By displaying, editing, and storing the data in a manner that makes sense to a traffic engineer, TRAFED allows the engineer to spend time analyzing the data and making decisions rather than learning how to make the simulation work. CORSIM stores over 1200 entries of data used to input and calibrate a traffic network. The CORSIM TRF file format stores this data on 84 record types. Many of the pieces of data were introduced by different people at different points over the thirty-year lineage of CORSIM. There is a very complicated relationship between the data and between the record types.

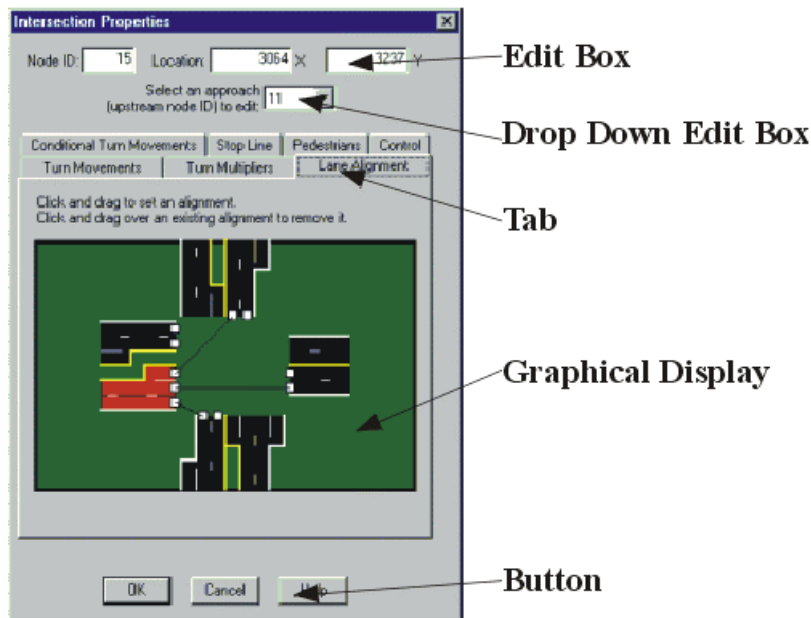
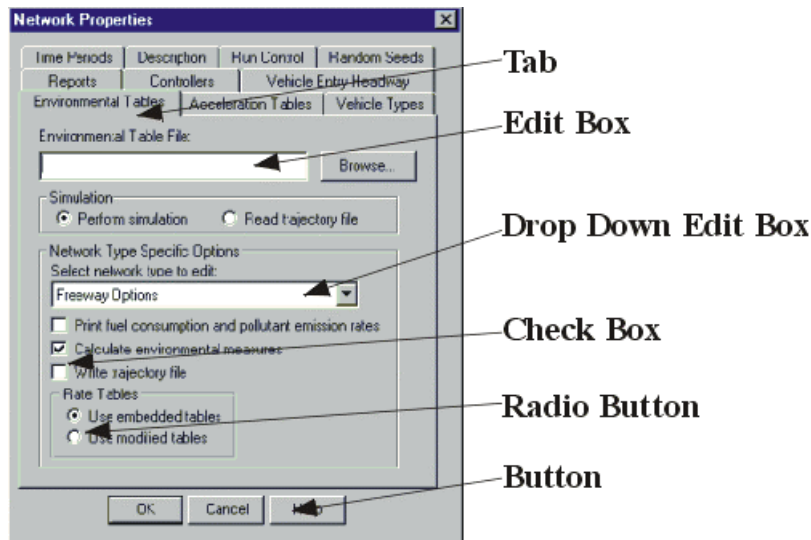
Variables are stored logically in TRAFED unlike CORSIM, which stores the variables functionally. For example the Freeway Link: General Properties page allows editing common fields on one page. These fields are found on multiple CORSIM record types. For example, Name is found on record type 10, Length is found on record type 19, and Grade is found on record type 20.

Users who are comfortable with CORSIM record types may find this cross-reference useful for determining which CORSIM record type and entry is associated with a particular TRAFED dialog.

1.2 Overview (by Dialog)

This document lists the CORSIM record types by GUI (Graphical User Interface) components of TRAFED.

CORSIM structures its data into records and entries. Each record contains one or more entries. The titles associated with each record can be found in the CORSIM Reference Manual. The GUI components consist of dialogs, pages, fields, and graphical displays. Each dialog can contain pages, fields, and graphical displays. Each page can contain fields and graphical displays. A tab inside the dialog window designates a page. A field can be an edit box, radio button, check box, drop down edit box, or buttons. A graphical display can be any graphical picture in a dialog that can be manipulated by the user. Refer to the example dialogs below for examples of these GUI components.



The following cross-reference tables are alphabetized by TRAFED dialog title or dialog title: page title (i.e., the name that appears on the tab). Each of the tables contains the field names found on the dialog that are equivalent to a CORSIM record type entry. There may be fields on the dialog or page that do not appear in the

table. These fields are used by TRAFED to determine proper network behavior. The associated CORSIM record type and entry number are listed after the corresponding TRAFED field name in each table.

To use this manual, look up the TRAFED dialog title or dialog title: page title alphabetically, find the field name in question, then look up the CORSIM record type and entry number.

2 Cross-reference by Dialog

2.1 Actuated Controller Coordination

Field Name	Record Type	Entry#
Cycle Length	44	2
Extended Street Leading Left-Turn Phases: First Selected Duration	44	12
Extended Street Leading Left-Turn Phases: First Selected Phase	44	11
Extended Street Leading Left-Turn Phases: Second Selected Duration	44	17
Extended Street Leading Left-Turn Phases: Second Selected Phase	44	16
Permissive Period Flags: Phase 1	44	20
Permissive Period Flags: Phase 3	44	21
Permissive Period Flags: Phase 4	44	22
Permissive Period Flags: Phase 5	44	23
Permissive Period Flags: Phase 7	44	24
Permissive Period Flags: Phase 8	44	25
Permissive Periods: Begin Times 1	44	4
Permissive Periods: Begin Times 2	44	6
Permissive Periods: Begin Times 3	44	8
Permissive Periods: End Times 1	44	5
Permissive Periods: End Times 2	44	7
Permissive Periods: End Times 3	44	9
Phase can terminate before force-off	47	28
Phase Force-off: Phase 1	44	10
Phase Force-off: Phase 3	44	13
Phase Force-off: Phase 4	44	14
Phase Force-off: Phase 5	44	15
Phase Force-off: Phase 7	44	18
Phase Force-off: Phase 8	44	19
Yield Point	44	3

2.2 Actuated Controller Detector Properties

Field Name	Record Type	Entry#
Detector Location: Detector Length	46	10
Detector Location: Detector Length	46	18
Detector Location: Detector Length	46	26
Detector Location: Distance from trailing edge to stop line	46	7
Detector Location: Distance from trailing edge to stop line	46	15
Detector Location: Distance from trailing edge to stop line	46	23
Detector Location: Lanes	46	5
Detector Location: Lanes	46	6
Detector Location: Lanes	46	13
Detector Location: Lanes	46	14
Detector Location: Lanes	46	21
Detector Location: Lanes	46	22
Detector Location: Link	46	4
Operating Characteristics: Carry-over	46	9
Operating Characteristics: Carry-over	46	17
Operating Characteristics: Carry-over	46	25
Operating Characteristics: Delay time	46	8
Operating Characteristics: Delay time	46	16
Operating Characteristics: Delay time	46	24
Operating Characteristics: Limit time	46	11
Operating Characteristics: Limit time	46	19
Operating Characteristics: Limit time	46	27
Operating Characteristics: Operation	46	12
Operating Characteristics: Operation	46	20
Operating Characteristics: Operation	46	28
Operating Characteristics: Phase	46	2
Operating Characteristics: Type	46	3

2.3 Actuated Controller Properties

Field Name	Record Type	Entry#
All Red	47	17
Amber	47	16
Implicit from diagram: Movement	45	3
Implicit from diagram: Movement	45	4
Implicit from diagram: Movement	45	5
Implicit from diagram: Movement	45	6
Implicit from diagram: Movement	45	7
Implicit from diagram: Phase Number	45	2
Phase	47	2
Phase: Max	47	3
Phase: Max	47	23
Phase: Min	47	4
Phase: Min	47	22
Phase: Veh	47	5

2.4 Additional Phase Settings

Field Name	Record Type	Entry#
# of	47	9
Dual	47	20
Dual	47	30
Every	47	13
Gap	47	11
Initial	47	7
Lag Phase	47	25
Last	47	21
Max	47	6
Max	47	15
Max Init	47	10
Min	47	14
Min	47	31
Overlap	47	26
Red	47	18
Red	47	27
Reduce	47	12
Rest In	47	24
Simultaneous	47	29
Time/Actuations	47	8
Yellow	47	19

2.5 ALINEA Meter

Field Name	Record Type	Entry#
Initial Rate	37	5
Kr	37	7
Minimum Rate	37	6
O hat	37	8
Time of Onset	37	3
Update Interval	37	4

2.6 Bus Routes

Field Name	Record Type	Entry#
Bus Route Number	187	1
Bus Route Number	188	1
Bus Route Number	189	1
Mean Headway	189	2
Offset	189	3
Path Nodes	187	2
Path Nodes	187	3
Path Nodes	187	4
Path Nodes	187	5
Path Nodes	187	6
Path Nodes	187	7
Path Nodes	187	8
Path Nodes	187	9
Path Nodes	187	10
Path Nodes	187	11
Path Nodes	187	12
Path Nodes	187	13
Path Nodes	187	14
Path Nodes	187	15
Path Nodes	187	16
Path Nodes	187	17
Path Nodes	187	18
Path Nodes	187	19
Route Stations	188	2
Route Stations	188	3
Route Stations	188	4
Route Stations	188	5
Route Stations	188	6
Route Stations	188	7
Route Stations	188	8
Route Stations	188	9
Route Stations	188	10
Route Stations	188	11

Field Name	Record Type	Entry#
Route Stations	188	12
Route Stations	188	13
Route Stations	188	14
Route Stations	188	15
Route Stations	188	16
Route Stations	188	17
Route Stations	188	18
Route Stations	188	19
Route Stations	188	20
Route Stations	188	21
Route Stations	188	22
Route Stations	188	23
Route Stations	188	24
Route Stations	188	25
Route Stations	188	26
Route Stations	188	27
Route Stations	188	28
Route Stations	188	29
Route Stations	188	30
Route Stations	188	31
Route Stations	188	32
Route Stations	188	33
Route Stations	188	34
Route Stations	188	35

2.7 California Logic

Field Name	Record Type	Entry#
Threshold of Occupancy: Difference across successive sensor positions	62	1
Threshold of Occupancy: Difference across successive sensor positions	65	1
Threshold of Percent Occupancy: Change at the downstream sensor over time	62	3
Threshold of Percent Occupancy: Change at the downstream sensor over time	65	3
Threshold of Percent Occupancy: Difference across successive sensor positions	62	2
Threshold of Percent Occupancy: Difference across successive sensor positions	65	2

2.8 Clock-Time Meter Properties

Field Name	Record Type	Entry#
and headway of	37	4
Take affect	37	3
Vehicles per Green	37	18

2.9 Demand/Capacity Meter

Field Name	Record Type	Entry#
Capacity	37	5
Time of Onset	37	3

2.10 Entry Properties

Field Name	Record Type	Entry#
Entry Volumes or Counts: Flow	53	4
Entry Volumes or Counts: Flow	53	6
Entry Volumes or Counts: Flow	53	8
Entry Volumes or Counts: Flow	53	10
Entry Volumes or Counts: Flow	53	12
Entry Volumes or Counts: Flow	53	14
Entry Volumes or Counts: Flow	53	16
Entry Volumes or Counts: Flow	53	18
Entry Volumes or Counts: Start Time	53	3
Entry Volumes or Counts: Start Time	53	5
Entry Volumes or Counts: Start Time	53	7
Entry Volumes or Counts: Start Time	53	9
Entry Volumes or Counts: Start Time	53	11
Entry Volumes or Counts: Start Time	53	13
Entry Volumes or Counts: Start Time	53	15
Entry Volumes or Counts: Start Time	53	17
Entry Volumes or Counts: Start Time and Flow	50	3
ID	50	1
ID	50	2
ID	53	1
ID	53	2
Lane distribution of entering vehicles (FRESIM): Leftmost lane through Rightmost lane: 1	50	7
Lane distribution of entering vehicles (FRESIM): Leftmost lane through Rightmost lane: 2	50	8
Lane distribution of entering vehicles (FRESIM): Leftmost lane through Rightmost lane: 3	50	9
Lane distribution of entering vehicles (FRESIM): Leftmost lane through Rightmost lane: 4	50	10
Lane distribution of entering vehicles (FRESIM): Leftmost lane through	50	11

Cross-reference by Dialog

Field Name	Record Type	Entry#
Rightmost lane: 5		
Percentage of non-HOV vehicles that violate HOV lanes	50	6
Vehicle Types (other than passenger cars): Carpools	50	5
Vehicle Types (other than passenger cars): Trucks	50	4

2.11 Freeway Link: Detector

Field Name	Record Type	Entry#
Lane ID	28	3
Length	28	5
Loop separation	28	6
Position	28	4
Station ID	28	8
Type	28	7

2.12 Freeway Link: General

Field Name	Record Type	Entry#
Car-following sensitivity multiplier	20	17
Collect speed and headway stats?: Location	20	13
Free Flow Speed	20	8
Grade	20	3
Length	19	4
Name	10	3
Pavement	20	6
Radius	20	5
Startup Delay	20	7
Superelevation	20	4
Type	19	5

2.13 Freeway Link: HOV

Field Name	Record Type	Entry#
Allowed Users	33	6
Drivers begin to react	33	9
HOV lane begins	33	7
HOV lane ends	33	8
Location	33	4
Number of HOV lanes	33	3
Pct usage by HOV's	33	10
Type of HOV lane	33	5

2.14 Freeway Link: Incidents

Field Name	Record Type	Entry#
Duration	29	17
Lanes Affected by the Incident: Lane 1	29	3
Lanes Affected by the Incident: Lane 2	29	4
Lanes Affected by the Incident: Lane 3	29	5
Lanes Affected by the Incident: Lane 4	29	6
Lanes Affected by the Incident: Lane 5	29	7
Lanes Affected by the Incident: Lane 6	29	8
Lanes Affected by the Incident: Lane 7	29	9
Lanes Affected by the Incident: Lane 8	29	10
Lanes Affected by the Incident: Lane 9	29	11
Lanes Affected by the Incident: Lane 9	29	12
Lanes Affected by the Incident: Lane 9	29	13
Length	29	15
Location	29	14
Location of incident warning	29	19
Rubberneck	29	18
Time of Onset	29	16

2.15 Freeway Link: Lane Add/Drop

Field Name	Record Type	Entry#
First Add/Drop: Add or Drop	32	3
First Add/Drop: Dist from USN	32	5
First Add/Drop: Lane	32	4
First Add/Drop: React	32	6
Second Add/Drop: Add or Drop	32	7
Second Add/Drop: Dist from USN	32	9
Second Add/Drop: Lane	32	8
Second Add/Drop: React	32	10
Third Add/Drop: Add or Drop	32	11
Third Add/Drop: Dist from USN	32	13
Third Add/Drop: Lane	32	12
Third Add/Drop: React	32	14

2.16 Freeway Link: Lanes

Field Name	Record Type	Entry#
Anticipatory lane changes: Traffic begins to react	20	16
Anticipatory lane changes: Upstream traffic moves over if acceleration lane speed falls below	20	15
Auxiliary Lanes	19	7
Auxiliary Lanes	19	8
Auxiliary Lanes	19	10
Auxiliary Lanes	19	11
Auxiliary Lanes	19	13
Auxiliary Lanes	19	14
Auxiliary Lanes:Length	19	9
Auxiliary Lanes:Length	19	12
Auxiliary Lanes:Length	19	15
Barrier on left side of lane: First barrier lane	19	18
Barrier on left side of lane: Second barrier lane	19	19
How many through lanes	19	6

2.17 Freeway Link: Trucks

Field Name	Record Type	Entry#
Trucks are Biased/Restricted to: ? Through lanes	20	11
Trucks are Biased/Restricted to: Rightmost or Leftmost	20	10
Trucks are:	20	9

2.18 Freeway Node Properties: Connections

Field Name	Record Type	Entry#
Ramp Position	19	16
Ramp Position	19	17

2.19 Freeway Node Properties: Ramp Meter

Field Name	Record Type	Entry#
Meter Type	37	2

2.20 Freeway Node Properties: Turn Movements

Field Name	Record Type	Entry#
Exit percentage multipliers for specific vehicle types: Vehicle Type 1	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 2	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 3	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 4	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 5	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 6	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 7	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 8	24	4
Exit percentage multipliers for specific vehicle types: Vehicle Type 9	24	4
HOVs reaction point is	20	14
Off-ramp reaction point is	20	12
Relative Turn Volumes: Exiting	25	6
Relative Turn Volumes: Exiting	26	5
Relative Turn Volumes: Exiting	26	8
Relative Turn Volumes: Exiting	26	11
Relative Turn Volumes: Exiting	26	14
Relative Turn Volumes: Exiting	26	17
Relative Turn Volumes: Start time	26	3
Relative Turn Volumes: Start time	26	6
Relative Turn Volumes: Start time	26	9
Relative Turn Volumes: Start time	26	12
Relative Turn Volumes: Start time	26	15
Relative Turn Volumes: Thru	25	4
Relative Turn Volumes: Thru	26	4
Relative Turn Volumes: Thru	26	7
Relative Turn Volumes: Thru	26	10
Relative Turn Volumes: Thru	26	13

Field Name	Record Type	Entry#
Relative Turn Volumes: Thru	26	16
Vehicle Type	24	3

2.21 FRESIM Setup: Driver Behavior

Field Name	Record Type	Entry#
Acceleration Lag	69	5
Car Following Sensitivity: Driver Type 1	68	1
Car Following Sensitivity: Driver Type 10	68	10
Car Following Sensitivity: Driver Type 2	68	2
Car Following Sensitivity: Driver Type 3	68	3
Car Following Sensitivity: Driver Type 4	68	4
Car Following Sensitivity: Driver Type 5	68	5
Car Following Sensitivity: Driver Type 6	68	6
Car Following Sensitivity: Driver Type 7	68	7
Car Following Sensitivity: Driver Type 8	68	8
Car Following Sensitivity: Driver Type 9	68	9
Deceleration Lag	69	6
Pitt car following constant	68	11

2.22 FRESIM Setup: Free Flow Speed

Field Name	Record Type	Entry#
Free-Flow Speed Percentages: Driver Type 1	147	1
Free-Flow Speed Percentages: Driver Type 10	147	10
Free-Flow Speed Percentages: Driver Type 2	147	2
Free-Flow Speed Percentages: Driver Type 3	147	3
Free-Flow Speed Percentages: Driver Type 4	147	4
Free-Flow Speed Percentages: Driver Type 5	147	5
Free-Flow Speed Percentages: Driver Type 6	147	6
Free-Flow Speed Percentages: Driver Type 7	147	7
Free-Flow Speed Percentages: Driver Type 8	147	8
Free-Flow Speed Percentages: Driver Type 9	147	9

2.23 FRESIM Setup: Friction Coefficient

Field Name	Record Type	Entry#
Dry Asphalt	69	3
Dry Concrete	69	1
Wet Asphalt	69	4
Wet Concrete	69	2

2.24 FRESIM Setup: Lane Change Parameters

Field Name	Record Type	Entry#
Advantage threshold for discretionary lane change	70	6
Multiplier for desire to make a discretionary lane change	70	5
Gap Acceptance Parameter	70	3
Percent of drivers yielding the right-of-way to lane-changing vehicles attempting to merge ahead	70	4
Time to complete a lane-change maneuver	70	1

2.25 FRESIM Setup: Miscellaneous

Field Name	Record Type	Entry#
Gravity Model Error Tolerance aX10-b (a)	74	19
Gravity Model Error Tolerance aX10-b (b)	74	19
HOVs that use HOV facilities	70	16
Leader's Max. Deceleration as Perceived by its Follower	70	17
Minimum separation for generation of vehicles	70	2

2.26 Incident Detection, Point Processing, MOE Estimation (FRESIM)

Field Name	Record Type	Entry#
	2	2
Average Vehicle Length	61	5
Average Vehicle Length	64	8
Detectors	61	2
Detectors	64	2
Evaluation Frequency	64	3
First	66	1
MOE Estimation	64	10
MOE Estimation Algorithm	65	10
Off-Line Incident Detection Algorithm	64	5
Off-Line Incident Detection Algorithm	64	6
Off-Line Incident Detection Algorithm	64	7
Off-Line Incident Detection Reevaluation Time Period	64	4
On-Line Evaluation Frequency	61	3
On-Line Incident Detection Algorithm	61	4
Point Processing	64	9
Polling Frequency	61	1
Polling Frequency	64	1
Second	66	5
Third	66	9

2.27 Interchange Origin-Destination

Field Name	Record Type	Entry#
Destination List	96	4
Destination List	96	5
Destination List	96	8
Destination List	96	9
Destination List	96	12
Destination List	96	13
Destination List	96	16
Destination List	96	17
Origins	96	2
Origins	96	3
Percentage of vehicles traveling from the selected origin to the selected destination	96	7
Percentage of vehicles traveling from the selected origin to the selected destination	96	11
Percentage of vehicles traveling from the selected origin to the selected destination	96	15
Percentage of vehicles traveling from the selected origin to the selected destination	96	19

2.28 Interchange Specification

Field Name	Record Type	Entry#
Interchange ID	95	1
Interchange ID	96	1
Links in Interchange	95	2
Links in Interchange	95	3
Links in Interchange	95	4
Links in Interchange	95	5
Links in Interchange	95	6
Links in Interchange	95	7
Links in Interchange	95	8
Links in Interchange	95	9
Links in Interchange	95	10
Links in Interchange	95	11
Links in Interchange	95	12
Links in Interchange	95	13
Links in Interchange	95	14
Links in Interchange	95	15
Links in Interchange	95	16
Links in Interchange	95	17
Links in Interchange	95	18
Links in Interchange	95	19

2.29 Intersection Properties: Conditional Turn Movements

Field Name	Record Type	Entry#
Relative turn volumes for traffic entering the approach link via DIAGONAL turn: Diagonal	22	18
Relative turn volumes for traffic entering the approach link via DIAGONAL turn: Left	22	15
Relative turn volumes for traffic entering the approach link via DIAGONAL turn: Right	22	17
Relative turn volumes for traffic entering the approach link via DIAGONAL turn: Thru	22	16
Relative turn volumes for traffic entering the approach link via LEFT turn: Diagonal	22	6
Relative turn volumes for traffic entering the approach link via LEFT turn: Left	22	3
Relative turn volumes for traffic entering the approach link via LEFT turn: Right	22	5
Relative turn volumes for traffic entering the approach link via LEFT turn: Thru	22	4
Relative turn volumes for traffic entering the approach link via RIGHT turn: Diagonal	22	14
Relative turn volumes for traffic entering the approach link via RIGHT turn: Left	22	11
Relative turn volumes for traffic entering the approach link via RIGHT turn: Right	22	13
Relative turn volumes for traffic entering the approach link via RIGHT turn: Thru	22	12
Relative turn volumes for traffic entering the approach link via THROUGH turn: Diagonal	22	10

Field Name	Record Type	Entry#
Relative turn volumes for traffic entering the approach link via THROUGH turn: Left	22	7
Relative turn volumes for traffic entering the approach link via THROUGH turn: Right	22	9
Relative turn volumes for traffic entering the approach link via THROUGH turn: Thru	22	8

2.30 Intersection Properties: Pedestrians

Field Name	Record Type	Entry#
Pedestrian Moving With (Not Across) This Approach	11	27

2.31 Intersection Properties: Stop Line

Field Name	Record Type	Entry#
Distance from the stop line to the near curb	80	10
Forward sight distance at the stop line	80	11

2.32 Intersection Properties: Lane Alignment

Field Name	Record Type	Entry#
	14	3
	14	4
	14	5
	14	6
	14	7
	14	8
	14	9
	14	10
	14	11
	14	12
	14	13
	14	14
	14	15
	14	16
	14	17
	14	18
	14	19
	14	20

2.33 Intersection Properties: Turn Movements

Field Name	Record Type	Entry#
Departures (downstream node Ids): Left	11	18
Departures (downstream node Ids): Left Diag	11	21
Departures (downstream node Ids): Right	11	20
Departures (downstream node Ids): Right Diag	11	21
Departures (downstream node Ids): Thru	11	19
Relative Turn Volumes: Diagonal	21	6
Relative Turn Volumes: Diagonal	23	7
Relative Turn Volumes: Diagonal	23	12
Relative Turn Volumes: Diagonal	23	17
Relative Turn Volumes: Left	21	3
Relative Turn Volumes: Left	23	4
Relative Turn Volumes: Left	23	9
Relative Turn Volumes: Left	23	14
Relative Turn Volumes: Right	21	5
Relative Turn Volumes: Right	23	6
Relative Turn Volumes: Right	23	11
Relative Turn Volumes: Right	23	16
Relative Turn Volumes: Start Time	23	3
Relative Turn Volumes: Thru	21	4
Relative Turn Volumes: Thru	23	5
Relative Turn Volumes: Thru	23	10
Relative Turn Volumes: Thru	23	15
Right turn on red allowed	11	26
Start Time	23	8
Start Time	23	13
Traffic opposing left-turners comes from	11	22

2.34 Intersection Properties: Turn Multipliers

Field Name	Record Type	Entry#
Implicit on diagram: Vehicle Type	24	3
Turning multipliers for specific vehicle types: Vehicle Type 1, Diagonal	24	7
Turning multipliers for specific vehicle types: Vehicle Type 1, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 1, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 1, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 2, Diagonal	24	7
Turning multipliers for specific vehicle types: Vehicle Type 2, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 2, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 2, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 3, Diagonal	24	7
Turning multipliers for specific vehicle types: Vehicle Type 3, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 3, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 3, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 4, Diagonal	24	7
Turning multipliers for specific vehicle types: Vehicle Type 4, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 4, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 4,	24	5

Field Name	Record Type	Entry#
Through		
Turning multipliers for specific vehicle types: Vehicle Type 5, Diagnol	24	7
Turning multipliers for specific vehicle types: Vehicle Type 5, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 5, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 5, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 6, Diagnol	24	7
Turning multipliers for specific vehicle types: Vehicle Type 6, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 6, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 6, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 7, Diagnol	24	7
Turning multipliers for specific vehicle types: Vehicle Type 7, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 7, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 7, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 8, Diagnol	24	7
Turning multipliers for specific vehicle types: Vehicle Type 8, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 8, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 8, Through	24	5
Turning multipliers for specific vehicle types: Vehicle Type 9, Diagnol	24	7

Cross-reference by Dialog

Field Name	Record Type	Entry#
Turning multipliers for specific vehicle types: Vehicle Type 9, Left	24	4
Turning multipliers for specific vehicle types: Vehicle Type 9, Right	24	6
Turning multipliers for specific vehicle types: Vehicle Type 9, Through	24	5

2.35 Intersection Properties: Turn Prohibitions

Field Name	Record Type	Entry#
Diagonal Movement Prohibited	21	10
Left Turn Prohibited	21	7
Right Turn Prohibited	21	9
Through Movement Prohibited	21	8

2.36 Meter to Detector Association

Field Name	Record Type	Entry#
Lane	38	4
Lane	38	6
Lane	38	8
Lane	38	10
Lane	38	12
Lane	38	14
Lane	38	16
Link	38	2
Link	38	3
Position	38	5
Position	38	7
Position	38	9
Position	38	11
Position	38	13
Position	38	15
Position	38	17

2.37 MOE Algorithm 1

Field Name	Record Type	Entry#
Initial Kalman filter	66	4
Rough count error variance	66	2
Variance of trap error term	66	3

2.38 MOE Algorithm 2

Field Name	Record Type	Entry#
Initial count estimation error variance	66	8
Ratio of system/observation noise	66	7
Variance of error term	66	6

2.39 MOE Algorithm 3

Field Name	Record Type	Entry#
Expected section density error var	66	10
Ratio system/observation noise var	66	12
System noise variance	66	11

2.40 Multiple Threshold Occupancy Meter

Field Name	Record Type	Entry#
Metering Rate: Fifth	37	13
Metering Rate: First	37	5
Metering Rate: Fourth	37	11
Metering Rate: Minimum	37	17
Metering Rate: Second	37	7
Metering Rate: Sixth	37	15
Metering Rate: Third	37	9
Occupancy Threshold: Fifth	37	14
Occupancy Threshold: First	37	6
Occupancy Threshold: Fourth	37	12
Occupancy Threshold: Second	37	8
Occupancy Threshold: Sixth	37	16
Occupancy Threshold: Third	37	10
Time of Onset	37	3
Update Interval	37	4

2.41 NETSIM Setup: Amber Interval

Field Name	Record Type	Entry#
Amber Interval Response: Acceptable Deceleration for Driver Type 1	144	1
Amber Interval Response: Acceptable Deceleration for Driver Type 10	144	10
Amber Interval Response: Acceptable Deceleration for Driver Type 2	144	2
Amber Interval Response: Acceptable Deceleration for Driver Type 3	144	3
Amber Interval Response: Acceptable Deceleration for Driver Type 4	144	4
Amber Interval Response: Acceptable Deceleration for Driver Type 5	144	5
Amber Interval Response: Acceptable Deceleration for Driver Type 6	144	6
Amber Interval Response: Acceptable Deceleration for Driver Type 7	144	7
Amber Interval Response: Acceptable Deceleration for Driver Type 8	144	8
Amber Interval Response: Acceptable Deceleration for Driver Type 9	144	9

2.42 NETSIM Setup: Bus Station Dwell Time

Field Name	Record Type	Entry#
Distribution for the Percentage of Mean Dwell Time:Station Type	150	1
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 2	150	3
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 7	150	8
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 1,Random Number 9	150	10
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 2	150	3

Field Name	Record Type	Entry#
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 7	150	8
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 2,Random Number 9	150	10
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 2	150	3
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 7	150	8

Cross-reference by Dialog

Field Name	Record Type	Entry#
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 3,Random Number 9	150	10
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 2	150	3
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 7	150	8
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 4,Random Number 9	150	10
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 2	150	3

Field Name	Record Type	Entry#
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 7	150	8
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 5,Random Number 9	150	10
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 1	150	2
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 10	150	11
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 2	150	3
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 3	150	4
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 4	150	5
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 5	150	6
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 6	150	7
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 7	150	8

Cross-reference by Dialog

Field Name	Record Type	Entry#
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 8	150	9
Distribution for the Percentage of Mean Dwell Time:Station Type 6,Random Number 9	150	10

2.43 NETSIM Setup: Cross Traffic

Field Name	Record Type	Entry#
Far-Side Cross-Street Additional Time Distribution: Additional Time for 1 Lane	143	1
Far-Side Cross-Street Additional Time Distribution: Additional Time for 10 Lanes	143	10
Far-Side Cross-Street Additional Time Distribution: Additional Time for 2 Lanes	143	2
Far-Side Cross-Street Additional Time Distribution: Additional Time for 3 Lanes	143	3
Far-Side Cross-Street Additional Time Distribution: Additional Time for 4 Lanes	143	4
Far-Side Cross-Street Additional Time Distribution: Additional Time for 5 Lanes	143	5
Far-Side Cross-Street Additional Time Distribution: Additional Time for 8 Lanes	143	8
Far-Side Cross-Street Additional Time Distribution: Additional Time for 9 Lanes	143	9
Far-Side Cross-Street Additional Time Distribution: Additional Time for 6 Lanes	143	6
Far-Side Cross-Street Additional Time Distribution: Additional Time for 7 Lanes	143	7
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 1	142	1
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 10	142	10
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 2	142	2
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for	142	3

Cross-reference by Dialog

Field Name	Record Type	Entry#
Driver Type 3		
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 4	142	4
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 5	142	5
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 6	142	6
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 7	142	7
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 8	142	8
Near-Side Cross-Street Acceptable Gap Distribution: Acceptable Gap for Driver Type 9	142	9

2.44 NETSIM Setup: Detector Eval. Freq.

Field Name	Record Type	Entry#
Evaluation frequency	64	3

2.45 NETSIM Setup: Discharge Headway

Field Name	Record Type	Entry#
Distribution of multipliers for discharge headway percentages	149	2

2.46 NETSIM Setup: Driver Familiarity

Field Name	Record Type	Entry#
Distribution of Driver Familiarity with Paths: % of drivers that know one turn movement in advance	153	1
Distribution of Driver Familiarity with Paths: % of drivers that know two turn movement in advance	153	2

2.47 NETSIM Setup: Free Flow Speed

Field Name	Record Type	Entry#
Free-Flow Speed Percentages: % multiplier for Driver Type 1	147	1
Free-Flow Speed Percentages: % multiplier for Driver Type 10	147	10
Free-Flow Speed Percentages: % multiplier for Driver Type 2	147	2
Free-Flow Speed Percentages: % multiplier for Driver Type 3	147	3
Free-Flow Speed Percentages: % multiplier for Driver Type 4	147	4
Free-Flow Speed Percentages: % multiplier for Driver Type 5	147	5
Free-Flow Speed Percentages: % multiplier for Driver Type 6	147	6
Free-Flow Speed Percentages: % multiplier for Driver Type 7	147	7
Free-Flow Speed Percentages: % multiplier for Driver Type 8	147	8
Free-Flow Speed Percentages: % multiplier for Driver Type 9	147	9

2.48 NETSIM Setup: Jumped / Lagged Left Turns

Field Name	Record Type	Entry#
Left-Turn Jumper Probabilities: 1 Opposing Lane	140	1
Left-Turn Jumper Probabilities: 2 Opposing Lanes	140	3
Left-Turn Jumper Probabilities: 3 Opposing Lanes	140	5
Left-Turn Jumper Probabilities: 4 Opposing Lanes	140	7
Left-Turn Jumper Probabilities: 5 Opposing Lanes	140	9
Left-Turn Jumper Probabilities: 6 Opposing Lanes	140	11
Left-Turn Jumper Probabilities: 7 Opposing Lanes	140	13
Left-Turn Jumper Probabilities: Probability for 1 Opposing lane	140	2
Left-Turn Jumper Probabilities: Probability for 2 Opposing lanes	140	4
Left-Turn Jumper Probabilities: Probability for 3 Opposing lanes	140	6
Left-Turn Jumper Probabilities: Probability for 4 Opposing lanes	140	8
Left-Turn Jumper Probabilities: Probability for 5 Opposing lanes	140	10
Left-Turn Jumper Probabilities: Probability for 6 Opposing lanes	140	12
Left-Turn Jumper Probabilities: Probability for 7 Opposing lanes	140	14
Left-Turn Lagger Turn Probabilities: Probability for 2 Seconds After Start of NO GO interval	141	5
Left-Turn Lagger Turn Probabilities: Probability for 4 Seconds After Start of NO GO interval	141	6
Left-Turn Lagger Turn Probabilities: Probability for 5 Seconds After Start of NO GO interval	141	7

2.49 NETSIM Setup: Lane Changes

Field Name	Record Type	Entry#
Deceleration rate of follower vehicle	81	7
Deceleration rate of lead vehicle	81	6
Difference in min/max acceptable deceleration for a: discretionary lane change	81	5
Difference in min/max acceptable deceleration for a: mandatory lane change	81	4
Duration of lane change maneuver	81	1
Min. deceleration for a lane change	81	3

2.50 NETSIM Setup: Lane Changes (Driver Behavior)

Field Name	Record Type	Entry#
% of drivers who cooperate with a lane changer	81	11
Distance over which drivers will perform a lane change	81	14
Distribution of Longitudinal Distance to Attempt a Lane Change: % multiplier for Driver Type 2	152	2
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 1	152	1
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 10	152	10
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 3	152	3
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 4	152	4
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 5	152	5
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 6	152	6
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 7	152	7
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 8	152	8
Distribution of Longitudinal Distance to Start to Attempt a Lane Change: % multiplier for Driver Type 9	152	9
Driver type factor	81	8
Headway at which all drivers will attempt a lane change	81	12
Headway at which no drivers will attempt a lane change	81	13

Cross-reference by Dialog

Field Name	Record Type	Entry#
Safety factor	81	10
Time to react to sudden deceleration of lead veh	81	2
Uregency threshold	81	9

2.51 NETSIM Setup: Left/Right Turns

Field Name	Record Type	Entry#
Acceptable Gap in Oncoming Traffic: Left or Right turn	145	1
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 1	145	2
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 10	145	11
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 2	145	3
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 3	145	4
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 4	145	5
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 5	145	6
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 6	145	7
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 7	145	8
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 8	145	9
Acceptable Gap in Oncoming Traffic: Left turn gap for Driver Type 9	145	10
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 1	145	2
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 10	145	11
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 2	145	3
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 3	145	4
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 4	145	5
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 5	145	6
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 6	145	7
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 7	145	8
Acceptable Gap in Oncoming Traffic:	145	9

Cross-reference by Dialog

Field Name	Record Type	Entry#
Right turn gap for Driver Type 8		
Acceptable Gap in Oncoming Traffic: Right turn gap for Driver Type 9	145	10
Maximum Allowable Turning Speeds: Left	140	15
Maximum Allowable Turning Speeds: Right	140	16

2.52 NETSIM Setup: Pedestrian

Field Name	Record Type	Entry#
Distribution of Strong Interaction Periods for Pedestrian Flow Levels: Heavy Pedestrian Flow	146	17
Distribution of Strong Interaction Periods for Pedestrian Flow Levels: Light Pedestrian Flow	146	13
Distribution of Strong Interaction Periods for Pedestrian Flow Levels: Moderate Pedestrian Flow	146	15
Distribution of Strong Interaction Periods for Pedestrian Flow Levels:Light, Moderate, Heavy	146	12
Distribution of Strong Interaction Periods for Pedestrian Flow Levels:Light, Moderate, Heavy	146	14
Distribution of Strong Interaction Periods for Pedestrian Flow Levels:Light, Moderate, Heavy	146	16
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 11	146	2
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 12	146	3
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 13	146	4
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 14	146	5
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 15	146	6
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 16	146	7
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 17	146	8
Distribution of Strong/Weak Interaction for Pedestrian Delay:	146	9

Cross-reference by Dialog

Field Name	Record Type	Entry#
Strong for Random Number 18		
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 19	146	10
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong for Random Number 20	146	11
Distribution of Strong/Weak Interaction for Pedestrian Delay: Strong/Weak	146	1
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 1	146	2
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 10	146	11
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 2	146	3
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 3	146	4
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 4	146	5
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 5	146	6
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 6	146	7
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 7	146	8
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 8	146	9
Distribution of Strong/Weak Interaction for Pedestrian Delay: Weak for Random Number 9	146	10

2.53 NETSIM Setup: Short Term Event

Field Name	Record Type	Entry#
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 1	148	1
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 10	148	10
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 2	148	2
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 3	148	3
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 4	148	4
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 5	148	5
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 6	148	6
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 7	148	7
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 8	148	8
Distribution of Multiplier for Short-Term Event Duration: % Multiplier for Random Number 9	148	9

2.54 NETSIM Setup: Spillback

Field Name	Record Type	Entry#
Spillback Probabilities: Probability of a vehicle joining a spillback for 1 vehicle in the spillback	141	1
Spillback Probabilities: Probability of a vehicle joining a spillback for 2 vehicles in the spillback	141	2
Spillback Probabilities: Probability of a vehicle joining a spillback for 3 vehicles in the spillback	141	3
Spillback Probabilities: Probability of a vehicle joining a spillback for 4 vehicles in the spillback	141	4

2.55 NETSIM Setup: Start-up Lost Time

Field Name	Record Type	Entry#
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 1	149	3
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 10	149	12
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 2	149	4
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 3	149	5
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 4	149	6
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 5	149	7
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 6	149	8
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 7	149	9
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 8	149	10
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 1 for Driver Type 9	149	11
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 1	149	3
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 10	149	12
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 2	149	4
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2	149	5

Cross-reference by Dialog

Field Name	Record Type	Entry#
for Driver Type 3		
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 4	149	6
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 5	149	7
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 6	149	8
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 7	149	9
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 8	149	10
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 2 for Driver Type 9	149	11
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 1	149	3
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 10	149	12
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 2	149	4
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 3	149	5
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 4	149	6
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 5	149	7
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 6	149	8
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 7	149	9
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 8	149	10

Field Name	Record Type	Entry#
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 3 for Driver Type 9	149	11
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 1	149	3
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 10	149	12
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 2	149	4
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 3	149	5
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 4	149	6
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 5	149	7
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 6	149	8
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 7	149	9
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 8	149	10
Distribution of Multiplier for Start-up Lost-time Percentages: Dist. Code 4 for Driver Type 9	149	11
Distribution of multipliers for start-up lost time percentages	149	2

2.56 Network Properties: Acceleration Tables

Field Name	Record Type	Entry#
Acceleration Table File	173	1

2.57 Network Properties: Controllers

Field Name	Record Type	Entry#
Pretimed Signal Transition Algorithm	2	16

2.58 Network Properties: Description

Field Name	Record Type	Entry#
Agency	1	5
Date Day	1	3
Date Month	1	2
Date Year	1	4
Description	0	1
Run ID	1	6
User Name	1	1

2.59 Network Properties: Environment Tables

Field Name	Record Type	Entry#
Environment Table File	172	1
Freeway Options: Calculate environmental measures	2	6
Freeway Options: Print fuel consumption and pollutant emission rates	2	6
Freeway Options: Write trajectory file	2	6
Simulation	2	5
Simulation	2	6
Surface Street Options: Calculate environmental measures	2	5
Surface Street Options: Print fuel consumption and pollutant emission rates	2	5
Surface Street Options: Write trajectory file	2	5
Use default environmental tables	2	5
Use default environmental tables	2	6

2.60 Network Properties: Random Seeds

GUI Field Name	Record Type	Entry#
Response to traffic choices	2	18
Vehicle entry headways	2	4
Vehicles for NETSIM stream	2	17

2.61 Network Properties: Reports

Field Name	Record Type	Entry#
Include turn-movement specific outout	5	11
Intermediate Output: Duration 1	5	3
Intermediate Output: Duration 2	5	6
Intermediate Output: Duration 3	5	9
Intermediate Output: Start Time 1	5	2
Intermediate Output: Start Time 2	5	5
Intermediate Output: Start Time 3	5	8
Intermediate Output: Time Between Reports 1	5	4
Intermediate Output: Time Between Reports 2	5	7
Intermediate Output: Time Between Reports 3	5	10
Number of time intervals between cumulative reports	5	1
Preprocessor output: Suppress echo-print of input records	210	3
Preprocessor output: Suppress run specs and network validation output	210	3

2.62 Network Properties: Run Control

Field Name	Record Type	Entry#
Initialization period: Maximum initialization prior to simulation	2	3
Initialization period: Stop if initialization does not reach equilibrium	2	3
Traffic Assignment Output File	5	12
Type of Run: Diagnostics Only	2	1
Type of Run: Simulation	2	1
Type of Run: Traffic Assignment	2	1

2.63 Network Properties: Time Periods

Field Name	Record Type	Entry#
Number of time periods		
Simulation start time	2	15
Time interval duration	4	2
Time Period Durations: Duration 1	3	1
Time Period Durations: Duration 10	3	10
Time Period Durations: Duration 11	3	11
Time Period Durations: Duration 12	3	12
Time Period Durations: Duration 13	3	13
Time Period Durations: Duration 14	3	14
Time Period Durations: Duration 15	3	15
Time Period Durations: Duration 16	3	16
Time Period Durations: Duration 17	3	17
Time Period Durations: Duration 18	3	18
Time Period Durations: Duration 19	3	19
Time Period Durations: Duration 2	3	2
Time Period Durations: Duration 3	3	3
Time Period Durations: Duration 4	3	4
Time Period Durations: Duration 5	3	5
Time Period Durations: Duration 6	3	6
Time Period Durations: Duration 7	3	7
Time Period Durations: Duration 8	3	8
Time Period Durations: Duration 9	3	9
Time Period Durations: Time Period		

2.64 Network Properties: Vehicle Entry Headway

Field Name	Record Type	Entry#
Distribution Type	2	7
Value "a" for Erlang Distribution	2	8

2.65 Network Properties: Vehicle Types

Field Name	Record Type	Entry#
FRESIM 1 - NETSIM 5: Avg. Occupancy	58	8
FRESIM 1 - NETSIM 5: Avg. Occupancy	71	10
FRESIM 1 - NETSIM 5: Fleet	58	1
FRESIM 1 - NETSIM 5: Fleet	71	1
FRESIM 1 - NETSIM 5: Freeway %	71	5
FRESIM 1 - NETSIM 5: Freeway %	71	6
FRESIM 1 - NETSIM 5: Freeway %	71	7
FRESIM 1 - NETSIM 5: Freeway %	71	8
FRESIM 1 - NETSIM 5: Headway Factor	58	3
FRESIM 1 - NETSIM 5: Jerk Value	71	3
FRESIM 1 - NETSIM 5: Length	58	2
FRESIM 1 - NETSIM 5: Length	71	2
FRESIM 1 - NETSIM 5: Max. Decel. (Emergency)	71	4
FRESIM 1 - NETSIM 5: Max. Decel. (non-Emergency)	70	7
FRESIM 1 - NETSIM 5: Performance Index	71	9
FRESIM 1 - NETSIM 5: Surface %	58	4
FRESIM 1 - NETSIM 5: Surface %	58	5
FRESIM 1 - NETSIM 5: Surface %	58	6
FRESIM 1 - NETSIM 5: Surface %	58	7
FRESIM 1 - NETSIM 5: Vehicle Type	58	1
FRESIM 1 - NETSIM 5: Vehicle Type	71	1
FRESIM 2 - NETSIM 1: Avg. Occupancy	58	8
FRESIM 2 - NETSIM 1: Avg. Occupancy	71	10
FRESIM 2 - NETSIM 1: Fleet	58	1
FRESIM 2 - NETSIM 1: Fleet	71	1
FRESIM 2 - NETSIM 1: Freeway %	71	5

Cross-reference by Dialog

Field Name	Record Type	Entry#
FRESIM 2 - NETSIM 1: Freeway %	71	6
FRESIM 2 - NETSIM 1: Freeway %	71	7
FRESIM 2 - NETSIM 1: Freeway %	71	8
FRESIM 2 - NETSIM 1: Headway Factor	58	3
FRESIM 2 - NETSIM 1: Jerk Value	71	3
FRESIM 2 - NETSIM 1: Length	58	2
FRESIM 2 - NETSIM 1: Length	71	2
FRESIM 2 - NETSIM 1: Max. Decel. (Emergency)	71	4
FRESIM 2 - NETSIM 1: Max. Decel. (non-Emergency)	70	8
FRESIM 2 - NETSIM 1: Performance Index	71	9
FRESIM 2 - NETSIM 1: Surface %	58	4
FRESIM 2 - NETSIM 1: Surface %	58	5
FRESIM 2 - NETSIM 1: Surface %	58	6
FRESIM 2 - NETSIM 1: Surface %	58	7
FRESIM 2 - NETSIM 1: Vehicle Type	58	1
FRESIM 2 - NETSIM 1: Vehicle Type	71	1
FRESIM 3 - NETSIM 2: Avg. Occupancy	58	8
FRESIM 3 - NETSIM 2: Avg. Occupancy	71	10
FRESIM 3 - NETSIM 2: Fleet	58	1
FRESIM 3 - NETSIM 2: Fleet	71	1
FRESIM 3 - NETSIM 2: Freeway %	71	5
FRESIM 3 - NETSIM 2: Freeway %	71	6
FRESIM 3 - NETSIM 2: Freeway %	71	7
FRESIM 3 - NETSIM 2: Freeway %	71	8
FRESIM 3 - NETSIM 2: Headway Factor	58	3
FRESIM 3 - NETSIM 2: Jerk Value	71	3
FRESIM 3 - NETSIM 2: Length	58	2
FRESIM 3 - NETSIM 2: Length	71	2
FRESIM 3 - NETSIM 2: Max. Decel. (Emergency)	71	4
FRESIM 3 - NETSIM 2: Max. Decel.	70	9

Field Name	Record Type	Entry#
(non-Emergency)		
FRESIM 3 - NETSIM 2: Performance Index	71	9
FRESIM 3 - NETSIM 2: Surface %	58	4
FRESIM 3 - NETSIM 2: Surface %	58	5
FRESIM 3 - NETSIM 2: Surface %	58	6
FRESIM 3 - NETSIM 2: Surface %	58	7
FRESIM 3 - NETSIM 2: Vehicle Type	58	1
FRESIM 3 - NETSIM 2: Vehicle Type	71	1
FRESIM 4 - NETSIM 6: Avg. Occupancy	58	8
FRESIM 4 - NETSIM 6: Avg. Occupancy	71	10
FRESIM 4 - NETSIM 6: Fleet	58	1
FRESIM 4 - NETSIM 6: Fleet	71	1
FRESIM 4 - NETSIM 6: Freeway %	71	5
FRESIM 4 - NETSIM 6: Freeway %	71	6
FRESIM 4 - NETSIM 6: Freeway %	71	7
FRESIM 4 - NETSIM 6: Freeway %	71	8
FRESIM 4 - NETSIM 6: Headway Factor	58	3
FRESIM 4 - NETSIM 6: Jerk Value	71	3
FRESIM 4 - NETSIM 6: Length	58	2
FRESIM 4 - NETSIM 6: Length	71	2
FRESIM 4 - NETSIM 6: Max. Decel. (Emergency)	71	4
FRESIM 4 - NETSIM 6: Max. Decel. (non-Emergency)	70	10
FRESIM 4 - NETSIM 6: Performance Index	71	9
FRESIM 4 - NETSIM 6: Surface %	58	4
FRESIM 4 - NETSIM 6: Surface %	58	5
FRESIM 4 - NETSIM 6: Surface %	58	6
FRESIM 4 - NETSIM 6: Surface %	58	7
FRESIM 4 - NETSIM 6: Vehicle Type	58	1
FRESIM 4 - NETSIM 6: Vehicle Type	71	1

Cross-reference by Dialog

Field Name	Record Type	Entry#
FRESIM 5 - NETSIM 7: Avg. Occupancy	58	8
FRESIM 5 - NETSIM 7: Avg. Occupancy	71	10
FRESIM 5 - NETSIM 7: Fleet	58	1
FRESIM 5 - NETSIM 7: Fleet	71	1
FRESIM 5 - NETSIM 7: Freeway %	71	5
FRESIM 5 - NETSIM 7: Freeway %	71	6
FRESIM 5 - NETSIM 7: Freeway %	71	7
FRESIM 5 - NETSIM 7: Freeway %	71	8
FRESIM 5 - NETSIM 7: Headway Factor	58	3
FRESIM 5 - NETSIM 7: Jerk Value	71	3
FRESIM 5 - NETSIM 7: Length	58	2
FRESIM 5 - NETSIM 7: Length	71	2
FRESIM 5 - NETSIM 7: Max. Decel. (Emergency)	71	4
FRESIM 5 - NETSIM 7: Max. Decel. (non-Emergency)	70	11
FRESIM 5 - NETSIM 7: Performance Index	71	9
FRESIM 5 - NETSIM 7: Surface %	58	4
FRESIM 5 - NETSIM 7: Surface %	58	5
FRESIM 5 - NETSIM 7: Surface %	58	6
FRESIM 5 - NETSIM 7: Surface %	58	7
FRESIM 5 - NETSIM 7: Vehicle Type	58	1
FRESIM 5 - NETSIM 7: Vehicle Type	71	1
FRESIM 6 - NETSIM 8: Avg. Occupancy	58	8
FRESIM 6 - NETSIM 8: Avg. Occupancy	71	10
FRESIM 6 - NETSIM 8: Fleet	58	1
FRESIM 6 - NETSIM 8: Fleet	71	1
FRESIM 6 - NETSIM 8: Freeway %	71	5
FRESIM 6 - NETSIM 8: Freeway %	71	6
FRESIM 6 - NETSIM 8: Freeway %	71	7
FRESIM 6 - NETSIM 8: Freeway %	71	8
FRESIM 6 - NETSIM 8: Headway	58	3

Field Name	Record Type	Entry#
Factor		
FRESIM 6 - NETSIM 8: Jerk Value	71	3
FRESIM 6 - NETSIM 8: Length	58	2
FRESIM 6 - NETSIM 8: Length	71	2
FRESIM 6 - NETSIM 8: Max. Decel. (Emergency)	71	4
FRESIM 6 - NETSIM 8: Max. Decel. (non-Emergency)	70	12
FRESIM 6 - NETSIM 8: Performance Index	71	9
FRESIM 6 - NETSIM 8: Surface %	58	4
FRESIM 6 - NETSIM 8: Surface %	58	5
FRESIM 6 - NETSIM 8: Surface %	58	6
FRESIM 6 - NETSIM 8: Surface %	58	7
FRESIM 6 - NETSIM 8: Vehicle Type	58	1
FRESIM 6 - NETSIM 8: Vehicle Type	71	1
FRESIM 7 - NETSIM 4: Avg. Occupancy	58	8
FRESIM 7 - NETSIM 4: Avg. Occupancy	71	10
FRESIM 7 - NETSIM 4: Fleet	58	1
FRESIM 7 - NETSIM 4: Fleet	71	1
FRESIM 7 - NETSIM 4: Freeway %	71	5
FRESIM 7 - NETSIM 4: Freeway %	71	6
FRESIM 7 - NETSIM 4: Freeway %	71	7
FRESIM 7 - NETSIM 4: Freeway %	71	8
FRESIM 7 - NETSIM 4: Headway Factor	58	3
FRESIM 7 - NETSIM 4: Jerk Value	71	3
FRESIM 7 - NETSIM 4: Length	58	2
FRESIM 7 - NETSIM 4: Length	71	2
FRESIM 7 - NETSIM 4: Max. Decel. (Emergency)	71	4
FRESIM 7 - NETSIM 4: Max. Decel. (non-Emergency)	70	13
FRESIM 7 - NETSIM 4: Performance Index	71	9
FRESIM 7 - NETSIM 4: Surface %	58	4

Cross-reference by Dialog

Field Name	Record Type	Entry#
FRESIM 7 - NETSIM 4: Surface %	58	5
FRESIM 7 - NETSIM 4: Surface %	58	6
FRESIM 7 - NETSIM 4: Surface %	58	7
FRESIM 7 - NETSIM 4: Vehicle Type	58	1
FRESIM 7 - NETSIM 4: Vehicle Type	71	1
FRESIM 8 - NETSIM 9: Avg. Occupancy	58	8
FRESIM 8 - NETSIM 9: Avg. Occupancy	71	10
FRESIM 8 - NETSIM 9: Fleet	58	1
FRESIM 8 - NETSIM 9: Fleet	71	1
FRESIM 8 - NETSIM 9: Freeway %	71	5
FRESIM 8 - NETSIM 9: Freeway %	71	6
FRESIM 8 - NETSIM 9: Freeway %	71	7
FRESIM 8 - NETSIM 9: Freeway %	71	8
FRESIM 8 - NETSIM 9: Headway Factor	58	3
FRESIM 8 - NETSIM 9: Jerk Value	71	3
FRESIM 8 - NETSIM 9: Length	58	2
FRESIM 8 - NETSIM 9: Length	71	2
FRESIM 8 - NETSIM 9: Max. Decel. (Emergency)	71	4
FRESIM 8 - NETSIM 9: Max. Decel. (non-Emergency)	70	14
FRESIM 8 - NETSIM 9: Performance Index	71	9
FRESIM 8 - NETSIM 9: Surface %	58	4
FRESIM 8 - NETSIM 9: Surface %	58	5
FRESIM 8 - NETSIM 9: Surface %	58	6
FRESIM 8 - NETSIM 9: Surface %	58	7
FRESIM 8 - NETSIM 9: Vehicle Type	58	1
FRESIM 8 - NETSIM 9: Vehicle Type	71	1
FRESIM 9 - NETSIM 3: Avg. Occupancy	58	8
FRESIM 9 - NETSIM 3: Avg. Occupancy	71	10

Field Name	Record Type	Entry#
FRESIM 9 - NETSIM 3: Fleet	58	1
FRESIM 9 - NETSIM 3: Fleet	71	1
FRESIM 9 - NETSIM 3: Freeway %	71	5
FRESIM 9 - NETSIM 3: Freeway %	71	6
FRESIM 9 - NETSIM 3: Freeway %	71	7
FRESIM 9 - NETSIM 3: Freeway %	71	8
FRESIM 9 - NETSIM 3: Headway Factor	58	3
FRESIM 9 - NETSIM 3: Jerk Value	71	3
FRESIM 9 - NETSIM 3: Length	58	2
FRESIM 9 - NETSIM 3: Length	71	2
FRESIM 9 - NETSIM 3: Max. Decel. (Emergency)	71	4
FRESIM 9 - NETSIM 3: Max. Decel. (non-Emergency)	70	15
FRESIM 9 - NETSIM 3: Performance Index	71	9
FRESIM 9 - NETSIM 3: Surface %	58	4
FRESIM 9 - NETSIM 3: Surface %	58	5
FRESIM 9 - NETSIM 3: Surface %	58	6
FRESIM 9 - NETSIM 3: Surface %	58	7
FRESIM 9 - NETSIM 3: Vehicle Type	58	1
FRESIM 9 - NETSIM 3: Vehicle Type	71	1

2.66 Origin-Destination (FRESIM)

Field Name	Record Type	Entry#
Destination List	74	2
Destination List	74	5
Destination List	74	8
Destination List	74	11
Destination List	74	14
Destination List	74	17
Origins	74	1
Origins	74	4
Origins	74	7
Origins	74	10
Origins	74	13
Origins	74	16
Percentage of vehicles traveling from the selected origin to the selected destination	74	3
Percentage of vehicles traveling from the selected origin to the selected destination	74	6
Percentage of vehicles traveling from the selected origin to the selected destination	74	9
Percentage of vehicles traveling from the selected origin to the selected destination	74	12
Percentage of vehicles traveling from the selected origin to the selected destination	74	15
Percentage of vehicles traveling from the selected origin to the selected destination	74	18

2.67 Origin-Destination (Traffic Assignment)

Field Name	Record Type	Entry#
Carpools	176	3
Destination List	176	4
Destination List	176	6
Destination List	176	8
Destination List	176	10
Destination List	176	12
Destination List	176	14
Destination List	176	16
Destination List	176	18
Number of vehicles per hour traveling from the selected origin to the selected destination	176	5
Number of vehicles per hour traveling from the selected origin to the selected destination	176	7
Number of vehicles per hour traveling from the selected origin to the selected destination	176	9
Number of vehicles per hour traveling from the selected origin to the selected destination	176	11
Number of vehicles per hour traveling from the selected origin to the selected destination	176	13
Number of vehicles per hour traveling from the selected origin to the selected destination	176	15
Number of vehicles per hour traveling from the selected origin to the selected destination	176	17
Number of vehicles per hour traveling from the selected origin to the selected destination	176	19
Origins	176	1
Trucks	176	2

2.68 Payne Algorithm Number 8

Field Name	Record Type	Entry#
Number of compression wave suppression periods	62	1
Number of compression wave suppression periods	65	1
Threshold of Occupancy: Downstream sensor positions	62	5
Threshold of Occupancy: Downstream sensor positions	65	5
Threshold of Occupancy: Another threshold at the sensor	62	6
Threshold of Occupancy: Another threshold at the sensor	65	6
Threshold of Occupancy: Difference across successive sensor positions	62	2
Threshold of Occupancy: Difference across successive sensor positions	65	2
Threshold of Percent Occupancy: Change at the downstream sensor over time	62	3
Threshold of Percent Occupancy: Change at the downstream sensor over time	65	3
Threshold of Percent Occupancy: Difference across successive sensor positions	62	4
Threshold of Percent Occupancy: Difference across successive sensor positions	65	4

2.69 Pedestrian Data

Field Name	Record Type	Entry#
Arrival Headway	48	6
DON'T WALK Duration	48	4
End Period 1	48	11
End Period 2	48	13
End Period 3	48	15
End Period 4	48	17
End Period 5	48	19
Intensity	48	5
Phase	48	2
Recall	48	8
Rest in WALK	48	9
Start of Deterministic Arrivals	48	7
Start Period 1	48	10
Start Period 2	48	12
Start Period 3	48	14
Start Period 4	48	16
Start Period 5	48	18
WALK Duration	48	3

2.70 Pre-Timed Controller

Field Name	Record Type	Entry#
All Red Time: Phase 1	35	10
All Red Time: Phase 2	35	13
All Red Time: Phase 3	35	16
All Red Time: Phase 4	35	19
Controlled Movements	36	2
Controlled Movements	36	3
Controlled Movements	36	4
Controlled Movements	36	5
Controlled Movements	36	6
Controlled Movements	36	7
Controlled Movements	36	8
Controlled Movements	36	9
Controlled Movements	36	10
Controlled Movements	36	11
Controlled Movements	36	12
Controlled Movements	36	13
Controlled Movements	36	14
Controlled Movements	36	15
Controlled Movements	36	16
Controlled Movements	36	17
Controlled Movements	36	18
Controlled Movements	36	19
Controlled Movements	36	20
Controlled Movements	36	21
Controlled Movements	36	22
Controlled Movements	36	23
Controlled Movements	36	24
Controlled Movements	36	25
Controlled Movements	36	26
Controlled Movements	36	27
Controlled Movements	36	28
Controlled Movements	36	29
Controlled Movements	36	30

Field Name	Record Type	Entry#
Controlled Movements	36	31
Controlled Movements	36	32
Controlled Movements	36	33
Controlled Movements	36	34
Controlled Movements	36	35
Controlled Movements	36	36
Controlled Movements	36	37
Controlled Movements	36	38
Controlled Movements	36	39
Controlled Movements	36	40
Controlled Movements	36	41
Controlled Movements	36	42
Controlled Movements	36	43
Controlled Movements	36	44
Controlled Movements	36	45
Controlled Movements	36	46
Controlled Movements	36	47
Controlled Movements	36	48
Controlled Movements	36	49
Controlled Movements	36	50
Controlled Movements	36	51
Controlled Movements	36	52
Controlled Movements	36	53
Controlled Movements	36	54
Controlled Movements	36	55
Controlled Movements	36	56
Controlled Movements	36	57
Controlled Movements	36	58
Controlled Movements	36	59
Controlled Movements	36	60
Controlled Movements	36	61
Green Time: Phase 1	35	8
Green Time: Phase 2	35	11
Green Time: Phase 3	35	14
Green Time: Phase 4	35	17
Minimum Main Street Green	35	20
Offset Time	35	2

Cross-reference by Dialog

Field Name	Record Type	Entry#
Yellow Time: Phase 1	35	9
Yellow Time: Phase 2	35	12
Yellow Time: Phase 3	35	15
Yellow Time: Phase 4	35	18

2.71 Speed Control Meter

Field Name	Record Type	Entry#
First Headway	37	7
First speed thershold	37	6
Second Headway	37	9
Second speed thershold	37	8
Third Headway	37	11
Third speed thershold	37	10
Time of Onset	37	3

2.72 Station Identification

Field Name	Record Type	Entry#
Identified Stations	63	1
Identified Stations	63	2
Identified Stations	63	3
Identified Stations	63	4
Identified Stations	63	5
Identified Stations	63	6
Identified Stations	63	7
Identified Stations	63	8
Identified Stations	63	9
Identified Stations	63	10
Identified Stations	63	11
Identified Stations	63	12
Identified Stations	63	13
Identified Stations	63	14
Identified Stations	63	15
Identified Stations	63	16
Identified Stations	63	17
Identified Stations	63	18
Identified Stations	63	19
Identified Stations	63	20
Identified Stations	63	21
Identified Stations	63	22
Identified Stations	63	23
Identified Stations	63	24
Identified Stations	63	25
Identified Stations	63	26
Identified Stations	63	27
Identified Stations	63	28
Identified Stations	63	29
Identified Stations	63	30
Identified Stations	63	31
Identified Stations	63	32
Identified Stations	63	33

Field Name	Record Type	Entry#
Identified Stations	63	34
Identified Stations	63	35
Identified Stations	63	36
Identified Stations	63	37
Identified Stations	63	38
Identified Stations	67	1
Identified Stations	67	2
Identified Stations	67	3
Identified Stations	67	4
Identified Stations	67	5
Identified Stations	67	6
Identified Stations	67	7
Identified Stations	67	8
Identified Stations	67	9
Identified Stations	67	10
Identified Stations	67	11
Identified Stations	67	12
Identified Stations	67	13
Identified Stations	67	14
Identified Stations	67	15
Identified Stations	67	16
Identified Stations	67	17
Identified Stations	67	18
Identified Stations	67	19
Identified Stations	67	20
Identified Stations	67	21
Identified Stations	67	22
Identified Stations	67	23
Identified Stations	67	24
Identified Stations	67	25
Identified Stations	67	26
Identified Stations	67	27
Identified Stations	67	28
Identified Stations	67	29
Identified Stations	67	30
Identified Stations	67	31
Identified Stations	67	32

Cross-reference by Dialog

Field Name	Record Type	Entry#
Identified Stations	67	33
Identified Stations	67	34
Identified Stations	67	35
Identified Stations	67	36
Identified Stations	67	37
Identified Stations	67	38

2.73 Surface Link: Bus Stations

Field Name	Record Type	Entry#
Blocks Traffic?	185	2
Bypass %	186	3
Cap.	185	6
Loc.	185	5
Mean dwell time	186	2
Station #	185	1
Station #	186	1
Station Type	185	7

2.74 Surface Link: Detectors

Field Name	Record Type	Entry#
Detector Station ID	42	6
Distance of the downstream edge from the stop line	42	5
Lanes Containing Sensors	42	3
Lanes Containing Sensors	42	4
Length of sensing zone	42	7
Operation Code	42	8

2.75 Surface Link: General

Field Name	Record Type	Entry#
Free Flow Speed	11	25
Grade	11	9
Length	11	3
Name	10	3
Queue Discharge Characteristics: Distribution Code	11	10
Queue Discharge Characteristics: Mean Discharge Headway	11	24
Queue Discharge Characteristics: Mean Startup Delay	11	23

2.76 Surface Link: Graphics

Field Name	Record Type	Entry#
Direction of curvature	196	4
Link passing under this link	196	
Link passing under this link	196	5
Link passing under this link	196	6
Link passing under this link	196	7
Link passing under this link	196	8
Link passing under this link	196	9
Link passing under this link	196	10
Link passing under this link	196	11
Link passing under this link	196	12
Link passing under this link	196	13
Link passing under this link	196	14
Link passing under this link	196	15
Link passing under this link	196	16
Link passing under this link	196	17
Link passing under this link	196	18
Link passing under this link	196	19
Link passing under this link	196	20
Minimum drawn radius of curvature	196	3

2.77 Surface Link: Lane Channelization

Field Name	Record Type	Entry#
Channelization: Lane 1	11	11
Channelization: Lane 2	11	12
Channelization: Lane 3	11	13
Channelization: Lane 4	11	14
Channelization: Lane 5	11	15
Channelization: Lane 6	11	16
Channelization: Lane 7	11	17

2.78 Surface Link: Lanes

Field Name	Record Type	Entry#
Lane ? Of this link aligns with lane ? Downstream.	11	28
Lane ? Of this link aligns with lane ? Downstream.	11	29
Lane Widths: Width	80	3
Lane Widths: Width	80	4
Lane Widths: Width	80	5
Lane Widths: Width	80	6
Lane Widths: Width	80	7
Lane Widths: Width	80	8
Lane Widths: Width	80	9
Left Turn Pocket: # of Lanes	11	7
Left Turn Pocket: Length	11	4
Length	11	6
Right Turn Pocket: # of Lanes	11	8
Right Turn Pocket: Length	11	5

2.79 Surface Link: Long-term Events

Field Name	Record Type	Entry#
Duration	55	4
Lane Blocked	55	7
Start time	55	3

2.80 Surface Link: Parking

Field Name	Record Type	Entry#
Left Curb: Distance from DS node	56	5
Left Curb: Length	56	6
Parking Maneuver: Mean Duration	56	7
Parking Maneuver: Mean Frequency	56	8
Right Curb: Distance from DS node	56	3
Right Curb: Length	56	4

2.81 Surface Link: Short-term Events

Field Name	Record Type	Entry#
Mean duration of an event	54	4
Mean frequency of events	54	3

2.82 Surface Link: Source/Sink

Field Name	Record Type	Entry#
Flow	51	4
Flow	51	6
Flow	51	8
Flow	51	10
Flow	51	12
Flow	51	14
Flow	51	16
Flow	51	18
Source/Sink ID	51	1
Start time	51	5
Start time	51	7
Start time	51	9
Start time	51	11
Start time	51	13
Start time	51	15
Start time	51	17
Start time	51	19

2.83 Surface Link Aggregations

Field Name	Record Type	Entry#
Aggregation ID	90	1
Links in Aggregation	90	2
Links in Aggregation	90	3
Links in Aggregation	90	4
Links in Aggregation	90	5
Links in Aggregation	90	6
Links in Aggregation	90	7
Links in Aggregation	90	8
Links in Aggregation	90	9
Links in Aggregation	90	10
Links in Aggregation	90	11
Links in Aggregation	90	12
Links in Aggregation	90	13
Links in Aggregation	90	14
Links in Aggregation	90	15
Links in Aggregation	90	16
Links in Aggregation	90	17
Links in Aggregation	90	18
Links in Aggregation	90	19

2.84 Traffic Assignment

Field Name	Record Type	Entry#
Capacity smoothing factor	175	5
Impedance Function	175	8
Impedances produced by all-or-nothing network loading	175	13
Line-search accuracy Threshold	175	7
Max number of traffic assignment iterations	175	2
Number of Capacity iterations	175	6
Parameters of Impedance: a	175	3
Parameters of Impedance: b	175	4
Print final traffic assignment results	175	11
Print Intermediate results	175	10
Record Generation	175	14
Service discharge rate/saturation rate (Davidson Function)	175	12
Threshold of objective function	175	1
Type of Optimality	175	9