MRM22v2.0 Network Data Dictionary

Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
1	ID	Int	10			TransCad ID	TransCad	
2	Length	Real	10	2		Length (miles)	TransCad	
3	Dir	Int	2			Direction code	Model Team	
					1	One way - A to B		
					0	Two way		
					-1	One way - B to A		
4	Anode	Int	6			A node number	TransCad ID	
5	Bnode	Int	6			B node number	TransCad ID	
6	StrName	Char	20			Street name	Model Team	
7	Secondnam	Char	20			Secondary street name	DOT	
8	A_CrossStr	Char	20			Crossing street name at A node	Model Team	
9	B_CrossStr	Char	20			Crossing street name at B node	Model Team	
10	funcl	Int	8			Model functional class	Model Team	
					1	Freeway		
					2	Expressway		
					3	Class II major thoroughfare		
					4	Major thoroughfare		
					5	Minor tfare		
					6	Collector street		
					7	Local Street		
					8	Ramp to surface street		
					9	Freeway-freeway ramp		
					22	HOV 2+ / Busway		
					23	HOV 3+ / Busway		
					24	HOT 2+ / Busway		
					25	HOT 3+ / Busway		
					30	Transit Only - Rail		
					40	Transit Only - Busway		
					82	Hwy to HOV 2+ / HOT2+		
					83	Hwy to HOV 3+ / HOT 3+		
					84	Transit Only - connect to Tran		
					90	Centroid connector		
					92	Centroid conn to transit sta		
					900+	Add 900 for links not in current network		
11	fedfuncl	Char	2			Federal functional class	State DOTs	
					IU	Urban Interstate		
					IR	Rural Interstate		
					FU	Urban other freeway		
					PU	Urban Principal arterial		
					PR	Rural Principal arterial		
					MU	Urban Minor arterial		
					MR	Rural Minor arterial		
					CU	Urban collector		
					CM	Rural - Major collector		
					CR	Rural - Minor collector		
					LU	Urban - Local street		
					LR	Rural - Local street		
					HO	HOV		
					TR	Transit only		
12	fedfunc_AQ	Char	5			Air quality functional class County + fedfuncl concatenated	Model Team	Fedfunc - not mileage restricted Non-attainment area only
13	AQ_2008NA	Char	1			Y or N	Model Team	In 2008 NAAQ NA area or not
14	Co_fedfuncl	Char	5			County + fedfuncl concatenated	Model Team	Fedfunc - not mileage restricted
15	lanes	Int	2			Total number of lanes	Calc	Field check

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
16	lanesAB	Int	1		Trunk no. of lanes A to B	Calc / field check	lanes / 2 (field check odd nos.)
17	lanesBA	Int	1		Trunk no. of lanes B to A	Calc / field check	lanes / 2 (field check odd nos.)
18	factype	Char	1		Facility type	Field check	
				F	Freeway		
				E	Expressway		
				R	Ramp		
				D	Divided - no median breaks		
				M	Divided - median breaks only		
				B	Divided - left turn bays		
				T	Undivided - left turn bays		
				C	Undivided - continuous left		Use in checking odd no. of lanes
				U	Undivided - no left provision		
19	SpdLimit	Int	8		Speed limit (MPH)	Field check	Use in link speed calc
20	SpdLimitRun	Int	8		Speed limit (MPH) adjusted in future for area type	Calc	Use in link speed calc
21	parking	Char	1		On-street parking	Field check	Use in link speed / cap calc
				Y	Parking allowed		
				N	Parking not allowed		
				A	No parking in AM peak		
				P	No parking in PM peak		
				B	No parking in peak		
22	pedactivity	Char	1		Pedestrian activity	Field check	Use in link speed / cap calc
				H	High pedestrian activity		
				M	Medium pedestrian activity		
				L	Low pedestrian activity		
				X	Pedestrians prohibited		
23	developden	Char	1		Development density	Field check	Use in link speed / cap calc
				H	High development density		
				M	Medium development density		
				L	Low development density		
				X	Roadside development prohibitied		
24	drivewyden	Char	1		Driveway density	Field check	Use in link speed / cap calc
				H	High driveway density		
				M	Medium driveway density		
				L	Low driveway density		
				X	Driveways prohibited		
25	landuse	Char	1		Land Use	Field check	Use in link speed / cap calc
				D	Center city	Model team	Consider shifting to numeric
				R	Residential		
				C	Commercial		
				I	Industrial		
				O	Open		
				X	Roadside development prohibitied		
26	areatp	Char	1		Area Type	Calculated	Use in link speed / cap calc
				1	CBD		start w/ partners
				2	Fringe		
				3	Urban		
				4	Suburban		
				5	Rural		
27	A_LeftLns	Int	1		No. of left turn lanes at A node	Field check	Use in A intersection delay / capacity calc

Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
28	A_ThruLns	Int	1			No. of through lanes at A node	Field check	Use in A intersection delay / capacity calc
29	A_RightLns	Int	1			No. of right turn lanes at A node	Field check	Use in A intersection delay / capacity calc
30	A_control	Char	1			Control at A node	Field check	Use in A intersection delay / capacity calc
					T	Through		
					L	Signal (light)		
					S	Stop		
					F	Four way stop (all appr. stop)		
					Y	Yield		
					R	Roundabout		
31	A_prohibit	Char	1			Prohibitions at A node	Field check	Field check on turn lanes included "X" - assign here
					N	No prohibitions		
					L	No left		
					R	No right		
					T	No through		
					C	No turns		
32	B_LeftLns	Int	1			No. of left turn lanes at B node	Field check	Use in B intersection delay / capacity calc
33	B_ThruLns	Int	1			No. of through lanes at B node	Field check	Use in B intersection delay / capacity calc
34	B_RightLns	Int	1			No. of right turn lanes at B node	Field check	Use in B intersection delay / capacity calc
35	B_control	Char	1			Control at A node	Field check	Use in B intersection delay / capacity calc
					T	Through		
					L	Signal (light)		
					S	Stop		
					F	Four way stop (all appr. stop)		
					Y	Yield		
					R	Round about		
36	B_prohibit	Char	1			Prohibitions at B node	Field check	Field check on turn lanes included "X" - assign here
					N	No prohibitions		
					L	No left		
					R	No right		
					T	No through		
					C	No turns		
37	alpha	Real	10	2		Alpha - V/C delay function	Model team	Calibration
38	beta	Real	10	2		Beta - V/C delay function	Model team	Calibration
39	Count	Char	1	0		Count	Model team	Y or N
40	AAWT00	Int	10			2000 Count	Calc	Calibration check
41	CNTAAWT05	Int	10			2005 Count	Calc	Calibration check
42	CNTAAWT10	Int	10			2010 Count	Calc	Calibration check
43	CNTAAWT11	Int	10			2011 Count	Calc	Calibration check
44	CNTAAWT12	Int	10			2012 Count	Calc	Calibration check
45	CNTAAWT13	Int	10			2013 Count	Calc	Calibration check
46	CNTAAWT14	Int	10			2014 Count	Calc	Calibration check
47	CNTAAWT15	Int	10			2015 Count	Calc	Calibration check
48	CNTAAWT16	Int	10			2016 Count	Calc	Calibration check
49	CNTAAWT17	Int	10			2017 Count	Calc	Calibration check
50	CNTAAWT18	Int	10			2018 Count	Calc	Calibration check
51	CNTAAWT19	Int	10			2019 Count	Calc	Calibration check

Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
52	Calib10	Int	10			Count for 2010 Calibration	Calc	Count for 2010 calibration/validation (accounts for data collected ranging from 2010 to 2013)
53	Calib15	Int	10			Count for 2015 Calibration	Calc	Count for 2015 calibration/validation (accounts for data collected ranging from 2013 to 2015)
54	Calib18	Int	10			Count for 2018 Calibration	Calc	Count for 2018 calibration/validation (accounts for data collected ranging from 2017 to 2019)
55	MTK00					2000 Medium Truck Count	Calc	Calibration check
56	MTK05	Int	10			2005 Medium Truck Count	Calc	Calibration check
57	MTK10	Int	10			2010/11/12 Medium Truck Count	calc	Calibration check
58	MTK15	Int	10			2015/14/13 Medium Truck Count	Calc	Calibration check
59	MTK18	Int	10			2018/17/16 Medium Truck Count		
60	HTK00	Int	10			2000 Heavy Truck Count	Calc	Calibration check
61	HTK05	Int	10			2005 Heavy Truck Count	calc	Calibration check
62	HTK10	Int	10			2010/11/12 Heavy Truck Count	calc	Calibration check
63	HTK15	Int	10			2015/14/13 Heavy Truck Count	calc	Calibration check
64	HTK18	Int	10			2018/17/16 Heavy Truck Count	calc	Calibration check
65	Scrln	Int	10			Screenline Identification	Model team	use w/ aawt05
					1	Catawba River		
					2	NS RR (Catawba River to Kings Mtn.)		
					3	CSX RR (Clt to Union Co. line)		
					4	NS RR (Charlotte to Harrisburg)		
					5	NS RR (Concord to Salisbury)		
					6	NS RR (Clt to Albemarle)		
					7	LYNX Blue Line		
					8	South Mecklenburg		
					9	Mallard Creek / Long Creek		
					10	Cabarrus - Mecklenburg		
					11	Cabarrus - Rowan		
					12	Mecklenburg - Union		
					13	Gaston - Lincoln		
					14	NC - SC		
					15	Charlotte CBD		
					16	Iredell - Cab/Row		
					17	Cabarrus - Stanly		
					18	Briar Creek/Sugar Creek		
					19	West Charlotte		
					20	NS RR (Clt CBD to Catawba River)		
					21	CSX RR(Union County)		
					22	I-40		
					23	External station		
						Not screen line		
66	TMCcode_ab	Char	10	0		Cross reference to Inrix TT data segments - AB direction	Inrix Data	Cross Reference
67	TMCcode_ba	Char	10	0		Cross reference to Inrix TT data segments - BA direction	Inrix Data	Cross Reference
68	TT_RTE	Int	8			Inrix Route	Inrix Data	
69	TT_KEY_AB	Int	8			Inrix Route AB direction	Inrix Data	
70	TT_KEY_BA	Int	8			Inrix Route BA direction	Inrix Data	

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Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
71	State	Int	2			State FIPS code	Model team	
					37	North Carolina		
					45	South Carolina		
72	County	Int	3	0		County FIPS code	Model team	
					25	Cabarrus		
					35	Catawba		
					45	Cleveland		
					71	Gaston		
					97	Iredell		
					109	Lincoln		
					119	Mecklenburg		
					159	Rowan		
					167	Stanly		
					179	Union NC		
					57	Lancaster		
					91	York		
					999	External station		
73	TAZ	Real	8			TAZ number	Area type model	
74	locclass1	Int	8			Locally assigned functional class	MPO	Modified July 5, 06 (CDOT)
					1	Freeway		
					2	Expressway		
					3	Class II major thorughfare		
					4	Major thorughfare		
					5	Minor thorughfare		
					6	Collector street		
					7	Local Street		
					8	Ramp to surface street		
					9	Freeway-freeway ramp		
75	locclass2	Int	8			Local class system	MPO	e.g. Corridor ID
76	reverselane	Int	6			No. of reversible lanes	Model team	Additional reversible lanes
77	reversetime	Char	1			Time period - reversible lanes	Model team	
78	SPfreeAB	Real	10	2		Composite (link + intersection) free speed A to B (MPH)	Capspd	Length / (TTfreeAB / 60)
79	SPfreeBA	Real	10	2		Composite (link + intersection) free speed B to A (MPH)	Capspd	Length / (TTfreeBA / 60)
80	SPpeakAB	Real	10	2		Composite (link + intersection) congested speed A to B (MPH)	Capspd	Length / (TTpeakAB / 60), NOT UPDATED IN FEEDBACK
81	SPpeakBA	Real	10	2		Composite (link + intersection) congested speed B to A (MPH)	Capspd	Length / (TTcongestBB / 60), NOT UPDATED IN FEEDBACK
82	TTfreeAB	Real	10	2		Composite (link + int) travel time free speed A to B (min)	Capspd	Network characteristics * lookups
83	TTfreeBA	Real	10	2		Composite (link + int) travel time free speed B to A (min))	Capspd	Network characteristics * lookups
84	TTpeakAB	Real	10	2		Composite travel time congested speed A to B (min)	Capspd	TTfreeAB * lookup (initial), NOT UPDATED IN FEEDBACK
85	TTpeakBA	Real	10	2		Composite travel time congested speed B to A (min)	Capspd	TTfreeBA * lookup (initial), NOT UPDATED IN FEEDBACK
86	TTlinkFrAB	Real	10	2		Travel time A to B - free speed - link factors only (min)	Capspd	Link characteristics * lookups
87	TTlinkFrBA	Real	10	2		Travel time B to A - free speed - link factors only (min)	Capspd	Link characteristics * lookups
88	TTlinkPkAB	Real	10	2		Travel time A to B - congested speed - link factors only (min)	Capspd	TTlinkfreeAB * congestion factor lookup
89	TTlinkPkBA	Real	10	2		Travel time B to A - congested speed - link factors only (min)	Capspd	TTlinkfreeBA * congestion factor lookup

Field	Field Name	Type	Width	Dec	Value Description	Source	Notes
90	IntDelFr_A	Real	10	2	A node intersectino delay - free speed (min)	Capspd	Intersection characteristics (A node) * lookups (Seconds)
91	IntDelFr_B	Real	10	2	B node intersection delay - free speed (min)	Capspd	Intersection characteristics (B node) * lookups (Seconds)
92	IntDelPk_A	Real	10	2	A node Intersection delay - congested (min)	Capspd	Intersection characteristics (A node) * lookups (Seconds)
93	IntDelPk_B	Real	10	2	B node intersection delay - congested (min)	Capspd	Intersection characteristics (B node) * lookups (Seconds)
94	capPk3hrAB	Real	10	2	Peak 3 hour total capacity (link + intersection) A to B (tot veh)	Capspd	cap1hrAB * peak fac
95	capPk3hrBA	Real	10	2	Peak 3 hour total capacity B to A	Capspd	cap1hrBA * peak fac
96	capMidAB	Real	10	2	Midday total capacity A to B	Capspd	cap1hrAB * midday fac
97	capMidBA	Real	10	2	Midday total capacity B to A	Capspd	cap1hrBA * midday fac
98	CapNightAB	Real	10	2	Night total capacity A to B	Capspd	cap1hrAB * night fac
99	CapNightBA	Real	10	2	Night total capacity B to A	Capspd	cap1hrBA * night fac
100	cap1hrAB	Real	10	2	One hour link capacity A to B	Capspd	Lane, intesection characteristics * lookups
101	cap1hrBA	Real	10	2	One hour link capacity B to A	Capspd	Lane, intersection characteristics * lookups
102	TTPkEstAB	Real	10	2	Time/distance impedance - free speed A to B	Capspd	A(Length) + B(TTfreeAB)
103	TTPkEstBA	Real	10	2	Time/distance impedance - free speed B to A	Capspd	A(Length) + B(TTfreeBA)
104	TTPkPrevAB	Real	10	2	Congested travel time A to B previous assignment	Capspd, feedback	Round 2 feedback spd
105	TTPkPrevBA	Real	10	2	Congested travel time B to A previous assignment	Capspd. feedback	Round 2 feedback spd
106	TTPkAssnAB	Real	10	2	Congested travel time A to B current assignment	Capspd, feedback	Final feedback speed
107	TTPkAssnBA	Real	10	2	Congested travel time B to A current assignment	Capspd, feedback	Final feedback speed
108	TTpkLocAB	Real	10	2	Local bus travel time - congested speed A to B	Capspd	Lookup, capped at 90% of peak speed travel time A to B
109	TTpkLocBA	Real	10	2	Local bus travel time - congested speed B to A	Capspd	Lookup, capped at 90% of peak speed travel time B to A
110	TTpkXprAB	Real	10	2	Express bus travel time - congested speed A to B	Capspd	Lookup, capped at 90% of peak speed travel time A to B
111	TTpkXprBA	Real	10	2	Express bus travel time - congested speed B to A	Capspd	Lookup, capped at 90% of peak speed travel time B to A
112	TTPkNStAB	Real	10	2	Non-stop bus travel time - congested speed A to B	Capspd	=TTPkAssnAB or guideway speed with no stops
113	TTPkNStBA	Real	10	2	Non-stop bus travel time - congested speed B to A	Capspd	=TTPkAssnBA or guideway speed with no stops
114	TTpkSkSAB	Real	10	2	Skip stop bus travel time - congested speed A to B	Capspd	=TTPkAssnAB or guideway speed with skip stops
115	TTpkSkSBA	Real	10	2	Skip stop bus travel time - congested speed B to A	Capspd	=TTPkAssnBA or guideway speed with skip stops
116	TTfrLocAB	Real	10	2	Local bus travel time - free speed A to B	Capspd	Lookup, capped at 90% of free speed travel time A to B
117	TTfrLocBA	Real	10	2	Local bus travel time - free speed B to A	Capspd	Lookup, capped at 90% of free speed travel time B to A
118	TTfrXprAB	Real	10	2	Express bus travel time - free speed A to B	Capspd	Lookup, capped at 90% of free speed travel time A to B
119	TTfrXprBA	Real	10	2	Express bus travel time - free speed B to A	Capspd	Lookup, capped at 90% of free speed travel time B to A

Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
120	TTFrNStAB	Real	10	2		Non-stop bus travel time - free speed A to B	Capspd	=TTFreeAB or guideway speed with no stops
121	TTFrNStBA	Real	10	2		Non-stop bus travel time - free speed B to A	Capspd	=TTFreeAB or guideway speed with no stops
122	TTfrSkSAB	Real	10	2		Skip stop bus travel time - free speed A to B	Capspd	=TTFreeAB or guideway speed with skip stops
123	TTfrSkSBA	Real	10	2		Skip stop bus travel time - free speed B to A	Capspd	=TTFreeAB or guideway speed with skip stops
124	PkLocLUAB	Real	10	2		Local bus lookup travel time - peak A to B	Capspd	Lookup, NO capping
125	PkLocLUBA	Real	10	2		Local bus lookup travel time - peak B to A	Capspd	Lookup, NO capping
126	PkXprLUAB	Real	10	2		Express bus lookup travel time - peak A to B	Capspd	Lookup, NO capping
127	PkXprLUBA	Real	10	2		Express bus lookup travel time - peak B to A	Capspd	Lookup, NO capping
128	TTwalkAB	Real	10	2		Walk travel time A to B	Capspd	Len * 20 (3 MPH), 9999 for funcl 1,2,8,9, 20-89, Non-directional
129	TTwalkBA	Real	10	2		Walk travel time B to A	Capspd	Len * 20 (3 MPH), 9999 for funcl 1,2,8,9, 20-89, Non-directional
130	TTbikeAB	Real	10	2		Bike travel time A to B	Capspd	7 MPH, 9999 for funcl 1,2,8,9, 20-89, Directional
131	TTbikeBA	Real	10	2		Bike travel time B to A	Capspd	7 MPH, 9999 for funcl 1,2,8,9, 20-89, Directional
132	ImpPkAB	Real	10	2		Peak Impedance A to B	Capspd	TTPeakAB * 0.6 + length * 0.4
133	ImpPkBA	Real	10	2		Peak Impedance B to A	Capspd	TTPeakBA * 0.6 + length * 0.4
134	ImpFreeAB	Real	10	2		Off-peak Impedance A to B	Capspd	TTFreeAB * 0.6 + length * 0.4
135	ImpFreeBA	Real	10	2		Off-peak Impedance B to A	Capspd	TTFreeBA * 0.6 + length * 0.4
136	TollAB	Real	10	2		Toll for link (cents)	Macro	
137	TollBA	Real	10	2		Toll for link (cents)	Macro	
138	HOTAB	Real	10	2		Managed Lane Toll for link (cents)	Macro	
139	HOTBA	Real	10	2		Managed Lane Toll for link (cents)	Macro	
140	Mode	Int	10			Flag for non-transit links to be included in transit network	Model Team	Flagged with a value of 1
141	BRT_Flag	Int	10					
142	datestamp	Int	8			Date stamp	Model team	
143	Level	Int	10			Cross-reference to old networks	Model team	
144	themecode	Int	8				Model team	
145	TOLL_PRJID	Int	8			Cross-reference to tolls.bin	Model team	
146	HOT_PRJID	Int	8			Cross-reference to tolls.bin	Model team	
147	ITS_Code	Int	8			AQ off-model code	Model team	currently not used
148	ITS_Segment	Int	8			AQ off-model code	Model team	currently not used
149	UrbanRural	Char	1			MOVES code	calc from AT	U or R
150	RoadTypeAQ	Int	2			MOVES code	Model team	
151	Projnum1	Int	8			Project number ID, project 1	Model team	
152	DIR_prj1	Int	8		1 0 -1	One way - A to B Two way One way - B to A	Plan	
					 1 2 3 4	Future funcl, project 1 Freeway Expressway Class II major thoroughfare Major thoroughfare	Plan	

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
				5	Minor thoroughfare		
				6	Collector street		
				7	Local Street		
				8	Ramp to surface street		
				9	Freeway-freeway ramp		
153	Funcl_prj1	Int	8	22	HOV 2+ / Busway		
				23	HOV 3+ / Busway		
				30	Transit Only - Rail		
				40	Transit Only - Busway		
				82	Hwy to HOV 2+		
				83	Hwy to HOV 3+		
				84	Transit Only - connect to Tran		
				90	Centroid connector		
				92	Centroid conn to transit station		
				900+	Add 900 for links not in project network		
					Federal functional class	Plan	
				IU	Urban Interstate		
				IR	Rural Interstate		
				FU	Urban other freeway		
				PU	Urban Principal arterial		
				PR	Rural Principal arterial		
				MU	Urban Minor arterial		
154	Fedfuncl_prj1	Char	2	MR	Rural Minor arterial		
				CU	Urban collector		
				CM	Rural - Major collector		
				CR	Rural - Minor collector		
				LU	Urban - Local street		
				LR	Rural - Local street		
				HO	HOV		
				TR	Transit only		
155	Fedfuncl_AQ_prj1	Char	5		Air quality functional class	Plan	
156	LnsAB_prj1	Int	8		Future lanes B to A, project 1	Plan	
157	LnsBA_prj1	Int	8		Future facility type, project 1	Plan	
					Facility type	Plan	
				F	Freeway		
				E	Expressway		
				R	Ramp		
				D	Divided - no median breaks		
158	Factypprj1	Char	1	M	Divided - median breaks only		
				B	Divided - left turn bays		
				T	Undivided - left turn bays		
				C	Undivided - continuous left		
				U	Undivided - no left provision		
159	SpdLmtprj1	Int	8		Future Speed limit (MPH) for project 1	Plan	
160	SpLRunprj1	Int	8		Future Speed limit (MPH) adjusted in future for area type for project 1	Plan	
				Y	On-street parking Parking allowed	Plan	
				N	Parking not allowed		
161	Park_prj1	Char	1	A	No parking in AM peak		
				P	No parking in PM peak		
				B	No parking in peak		
					Pedestrian activity	Plan	

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
				H	High pedestrian activity		
162	Ped_prj1	Char	1	M	Medium pedestrian activity		
				L	Low pedestrian activity		
				X	Pedestrians prohibited		
					Development density	Plan	
				H	High development density		
163	Devden_prj1	Char	1	M	Medium development density		
				L	Low development density		
				X	Roadside development prohibited		
					Driveway density	Plan	
				H	High driveway density		
164	Drwyden_prj1	Char	1	M	Medium driveway density		
				L	Low driveway density		
				X	Driveways prohibited		
					Future control at A, project 1	Plan	
				T	Through		
				L	Signal (light)		
165	Acntl_prj1	Char	1	S	Stop		
				F	Four way stop (all way stop)		
				Y	Yield		
				R	Roundabout		
					Future prohibitions at A, project 1	Plan	
				N	No prohibitions		
166	Aprhb_prj1	Char	1	L	No left		
				R	No right		
				T	No through		
				C	No turns		
167	Aleft_prj1	Int	8		Future Left turn lns at A, project 1	Plan	
168	Athru_prj1	Int	8		Future thru lanes at A, project 1	Plan	
169	Arite_prj1	Int	8		Future right turn lanes at A, project 1		
					Future control at B, project 1	Plan	
				T	Through		
				L	Signal (light)		
170	Bcntl_prj1	Char	1	S	Stop		
				F	Four way stop (all way stop)		
				Y	Yield		
				R	Roundabout		
					Future prohibitions at B, project 1	Plan	
				N	No prohibitions		
171	Bprhb_prj1	Char	1	L	No left		
				R	No right		
				T	No through		
				C	No turns		
172	Bleft_prj1	Int	8		Future Left turn lanes at B, project 1	Plan	
173	Bthru_prj1	Int	8		Future thru lanes at B, project 1	Plan	
174	Brite_prj1	Int	8		Future right turn lanes at B, project 1	Plan	
175	Projnum2	Int	8		Project number ID, project 2	Plan	
				1	One way - A to B	Plan	
176	DIR_prj2	Int	8	0	Two way		
				-1	One way - B to A		
					Future funcl, project 2	Plan	

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
177	Funcl_prj2	Int	8	1	Freeway		
				2	Expressway		
				3	Class II major thoroughfare		
				4	Major thoroughfare		
				5	Minor thoroughfare		
				6	Collector street		
				7	Local Street		
				8	Ramp to surface street		
				9	Freeway-freeway ramp		
				22	HOV 2+ / Busway		
				23	HOV 3+ / Busway		
				30	Transit Only - Rail		
				40	Transit Only - Busway		
				82	Hwy to HOV 2+		
				83	Hwy to HOV 3+		
				84	Transit Only - connect to Tran		
				90	Centroid connector		
				92	Centroid conn to transit station		
				900+	Add 900 for links not in project network		
178	Fedfuncl_prj2	Char	2		Federal functional class	Plan	
				IU	Urban Interstate		
				IR	Rural Interstate		
				FU	Urban other freeway		
				PU	Urban Principal arterial		
				PR	Rural Principal arterial		
				MU	Urban Minor arterial		
				MR	Rural Minor arterial		
				CU	Urban collector		
				CM	Rural - Major collector		
				CR	Rural - Minor collector		
				LU	Urban - Local street		
				LR	Rural - Local street		
				HO	HOV		
				TR	Transit only		
179	Fedfuncl_AQ_prj2	Char	5		Air quality functional class	Plan	
180	LnsAB_prj2	Int	8		Future lanes B to A, project 2	Plan	
181	LnsBA_prj2	Int	8		Future facility type, project 2	Plan	
182	Factypprj2	Char	1		Facility type	Plan	
				F	Freeway		
				E	Expressway		
				R	Ramp		
				D	Divided - no median breaks		
				M	Divided - median breaks only		
				B	Divided - left turn bays		
				T	Undivided - left turn bays		
				C	Undivided - continuous left		
				U	Undivided - no left provision		
183	SpdLmtprj2	Int	8	R	Future Speed limit (MPH) for project 2	Plan	
184	SpLRunprj2	Int	8	D	Future Speed limit (MPH) adjusted in future for area type for project 2	Plan	
					On-street parking	Plan	
				Y	Parking allowed		

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
185	Park_prj2	Char	1		Parking not allowed		
				N	No parking in AM peak		
				A	No parking in PM peak		
				P	No parking in peak		
				B	Pedestrian activity	Plan	
186	Ped_prj2	Char	1		High pedestrian activity		
				H	Medium pedestrian activity		
				M	Low pedestrian activity		
				L	Pedestrians prohibited		
				X	Development density	Plan	
187	Devden_prj2	Char	1		High development density		
				H	Medium development density		
				M	Low development density		
				L	Roadside development prohibited		
				X	Driveway density	Plan	
188	Drwyden_prj2	Char	1		High driveway density		
				H	Medium driveway density		
				M	Low driveway density		
				L	Driveways prohibited		
				X	Future control at A, project 2	Plan	
189	Acntl_prj2	Char	1		Through		
				T	Signal (light)		
				L	Stop		
				S	Four way stop (all way stop)		
				F	Yield		
				Y	Roundabout		
				R	Future prohibitions at A, project 2	Plan	
190	Aprhb_prj2	Char	1		No prohibitions		
				N	No left		
				L	No right		
				R	No through		
				T	No turns		
				C	Future Left turn lns at A, project 2	Plan	
191	Aleft_prj2	Int	8		Future thru lanes at A, project 2	Plan	
192	Athru_prj2	Int	8		Future right turn lanes at A, project 2	Plan	
193	Arite_prj2	Int	8		Future control at B, project 2	Plan	
					Through		
				T	Signal (light)		
194	Bcntl_prj2	Char	1		Stop		
				L	Four way stop (all way stop)		
				S	Yield		
				F	Roundabout		
				Y	Future prohibitions at B, project 2	Plan	
				R	No prohibitions		
195	Bprhb_prj2	Char	1		No left		
				N	No right		
				L	No through		
				R	No turns		
				T	Future Left turn lanes at B, project 2	Plan	
				C	Future thru lanes at B, project 2	Plan	
196	Bleft_prj2	Int	8		Future right turn lanes at B, project 2	Plan	
197	Bthru_prj2	Int	8				
198	Brite_prj2	Int	8				

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Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
199	Projnum3	Int	8		Project number ID, project 3	Plan	
200	DIR_prj3	Int	8	1	One way - A to B	Plan	
				0	Two way		
				-1	One way - B to A		
201	Funcl_prj3	Int	8		Future funcl, project 3	Plan	
				1	Freeway		
				2	Expressway		
				3	Class II major thoroughfare		
				4	Major thoroughfare		
				5	Minor thoroughfare		
				6	Collector street		
				7	Local Street		
				8	Ramp to surface street		
				9	Freeway-freeway ramp		
				22	HOV 2+ / Busway		
				23	HOV 3+ / Busway		
				30	Transit Only - Rail		
				40	Transit Only - Busway		
				82	Hwy to HOV 2+		
				83	Hwy to HOV 3+		
				84	Transit Only - connect to Tran		
				90	Centroid connector		
				92	Centroid conn to transit station		
				900+	Add 900 for links not in project network		
202	Fedfuncl_prj3	Char	2		Federal functional class	Plan	
				IU	Urban Interstate		
				IR	Rural Interstate		
				FU	Urban other freeway		
				PU	Urban Principal arterial		
				PR	Rural Principal arterial		
				MU	Urban Minor arterial		
				MR	Rural Minor arterial		
				CU	Urban collector		
				CM	Rural - Major collector		
				CR	Rural - Minor collector		
				LU	Urban - Local street		
				LR	Rural - Local street		
				HO	HOV		
				TR	Transit only		
203	Fedfuncl_AQ_prj3	Char	5		Air quality functional class	Plan	
204	LnsAB_prj3	Int	8		Future lanes B to A, project 3	Plan	
205	LnsBA_prj3	Int	8		Future facility type, project 3	Plan	
206	Factypprj3	Char	1		Facility type	Plan	
				F	Freeway		
				E	Expressway		
				R	Ramp		
				D	Divided - no median breaks		
				M	Divided - median breaks only		
				B	Divided - left turn bays		
				T	Undivided - left turn bays		
				C	Undivided - continuous left		
				U	Undivided - no left provision		
207	SpdLmtprj3	Int	8	R	Future Speed limit (MPH) for project 3	Plan	

Field	Field Name	Type	Width	Dec	Value	Description	Source	Notes
208	SpLRunprj3	Int	8		D	Future Speed limit (MPH) adjusted in future for area type for project 3	Plan	
209	Park_prj3	Char	1			On-street parking	Plan	
					Y	Parking allowed		
					N	Parking not allowed		
					A	No parking in AM peak		
					P	No parking in PM peak		
					B	No parking in peak		
210	Ped_prj3	Char	1			Pedestrian activity	Plan	
					H	High pedestrian activity		
					M	Medium pedestrian activity		
					L	Low pedestrian activity		
					X	Pedestrians prohibited		
211	Devden_prj3	Char	1			Development density	Plan	
					H	High development density		
					M	Medium development density		
					L	Low development density		
					X	Roadside development prohibited		
212	Drwyden_prj3	Char	1			Driveway density	Plan	
					H	High driveway density		
					M	Medium driveway density		
					L	Low driveway density		
					X	Driveways prohibited		
213	Acntl_prj3	Char	1			Future control at A, project 3	Plan	
					T	Through		
					L	Signal (light)		
					S	Stop		
					F	Four way stop (all way stop)		
					Y	Yield		
					R	Roundabout		
214	Aprhb_prj3	Char	1			Future prohibitions at A, project 3	Plan	
					N	No prohibitions		
					L	No left		
					R	No right		
					T	No through		
					C	No turns		
215	Aleft_prj3	Int	8			Future Left turn lns at A, project 3	Plan	
216	Athru_prj3	Int	8			Future thru lanes at A, project 3	Plan	
217	Arite_prj3	Int	8			Future right turn lanes at A, project 3	Plan	
218	Bcntl_prj3	Char	1			Future control at B, project 3	Plan	
					T	Through		
					L	Signal (light)		
					S	Stop		
					F	Four way stop (all way stop)		
					Y	Yield		
					R	Roundabout		
219	Bprhb_prj3	Char	1			Future prohibitions at B, project 3	Plan	
					N	No prohibitions		
					L	No left		
					R	No right		
					T	No through		
					C	No turns		

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
220	Bleft_prj3	Int	8		Future Left turn lanes at B, project 3	Plan	
221	Bthru_prj3	Int	8		Future thru lanes at B, project 3	Plan	
222	Brite_prj3	Int	8		Future right turn lanes at B, project 3	Plan	
223	Projam	Int	8		Project number ID, AM period specific project	Plan	
224	Dir_prjam	Int	8		Future dir code, project AM	Plan	
				1	One way - A to B		
				0	Two way		
				-1	One way - B to A		
225	Funcl_prjam	Int	8		Future funcl, project AM	Plan	
				1	Freeway		
				2	Expressway		
				3	Class II major thoroughfare		
				4	Major thoroughfare		
				5	Minor thoroughfare		
				6	Collector street		
				7	Local Street		
				8	Ramp to surface street		
				9	Freeway-freeway ramp		
				22	HOV 2+ / Busway		
				23	HOV 3+ / Busway		
				30	Transit Only - Rail		
				40	Transit Only - Busway		
				82	Hwy to HOV 2+		
				83	Hwy to HOV 3+		
				84	Transit Only - connect to Tran		
				90	Centroid connector		
				92	Centroid conn to transit station		
				900+	Add 900 for links not in project network		
226	Fedfuncl_prjam	Char	2		Federal functional class	Plan	
				IU	Urban Interstate		
				IR	Rural Interstate		
				FU	Urban other freeway		
				PU	Urban Principal arterial		
				PR	Rural Principal arterial		
				MU	Urban Minor arterial		
				MR	Rural Minor arterial		
				CU	Urban collector		
				CM	Rural - Major collector		
				CR	Rural - Minor collector		
				LU	Urban - Local street		
				LR	Rural - Local street		
				HO	HOV		
				TR	Transit only		
227	Fedfuncl_AQ_prjam	Char	5		Air quality functional class	Plan	
228	LnsAB_prjam	Int	8		Future lanes A to B, project AM	Plan	
229	LnsBA_prjam	Int	8		Future lanes B to A, project AM	Plan	
230	Factypprjam	Char	1		Future facility type, project AM	Plan	
				F	Freeway		
				E	Expressway		
				R	Ramp		
				D	Divided - no median breaks		
				M	Divided - median breaks only		

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
				B	Divided - left turn bays		
				T	Undivided - left turn bays		
				C	Undivided - continuous left		
				U	Undivided - no left provision		
231	SpdLmtprjam	Int	8		Future Speed limit (MPH) for `	Plan	
232	SpLRunprjam	Int	8		Future Speed limit (MPH) adjusted in future for area type for project AM	Plan	
233	Park_prjam	Char	1		On-street parking	Plan	
				Y	Parking allowed		
				N	Parking not allowed		
				A	No parking in AM peak		
				P	No parking in PM peak		
				B	No parking in peak		
234	Ped_prjam	Char	1		Pedestrian activity	Plan	
				H	High pedestrian activity		
				M	Medium pedestrian activity		
				L	Low pedestrian activity		
				X	Pedestrians prohibited		
235	Devden_prjam	Char	1		Development density	Plan	
				H	High development density		
				M	Medium development density		
				L	Low development density		
				X	Roadside development prohibited		
236	Drwyden_prjam	Char	1		Driveway density	Plan	
				H	High driveway density		
				M	Medium driveway density		
				L	Low driveway density		
				X	Driveways prohibited		
237	Acntl_prjam	Char	1		Future control at A, project am	Plan	
				T	Through		
				L	Signal (light)		
				S	Stop		
				F	Four way stop (all way stop)		
				Y	Yield		
				R	Roundabout		
238	Aprhb_prjam	Char	1		Future prohibitions at A, project am	Plan	
				N	No prohibitions		
				L	No left		
				R	No right		
				T	No through		
				C	No turns		
239	Aleft_prjam	Int	8		Future Left turn lns at A, project am	Plan	
240	Athru_prjam	Int	8		Future thru lanes at A, project am	Plan	
241	Arite_prjam	Int	8		Future right turn lanes at A, project am	Plan	
242	Bcntl_prjam	Char	1		Future control at B, project am	Plan	
				T	Through		
				L	Signal (light)		
				S	Stop		
				F	Four way stop (all way stop)		
				Y	Yield		
				R	Roundabout		
					Future prohibitions at B, project am	Plan	
				N	No prohibitions		

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
243	Bprhb_prjam	Char	1	L R T C	No left No right No through No turns		
244	Bleft_prjam	Int	8		Future Left turn lanes at B, project am	Plan	
245	Bthru_prjam	Int	8		Future thru lanes at B, project am	Plan	
246	Brite_prjam	Int	8		Future right turn lanes at B, project am	Plan	
247	Projpm	Int	8		Project number ID, pm period specific project	Plan	
248	Dir_prjpm	Int	8	 1 0 -1	Future dir code, project pm One way - A to B Two way One way - B to A	Plan	
249	Funcl_prjpm	Int	8	 1 2 3 4 5 6 7 8 9 22 23 30 40 82 83 84 90 92 900+	Future funcl, project pm Freeway Expressway Class II major thoroughfare Major thoroughfare Minor thoroughfare Collector street Local Street Rpmp to surface street Freeway-freeway rpmp HOV 2+ / Busway HOV 3+ / Busway Transit Only - Rail Transit Only - Busway Hwy to HOV 2+ Hwy to HOV 3+ Transit Only - connect to Tran Centroid connector Centroid conn to transit station Add 900 for links not in project network	Plan	
250	Fedfuncl_prjpm	Char	2	 IU IR FU PU PR MU MR CU CM CR LU LR HO TR	Federal functional class Urban Interstate Rural Interstate Urban other freeway Urban Principal arterial Rural Principal arterial Urban Minor arterial Rural Minor arterial Urban collector Rural - Major collector Rural - Minor collector Urban - Local street Rural - Local street HOV Transit only	Plan	
251	Fedfuncl_AQ_prjpm	Char	5		Air quality functional class	Plan	
252	LnsAB_prjpm	Int	8		Future lanes A to B, project pm	Plan	
253	LnsBA_prjpm	Int	8		Future lanes B to A, project pm	Plan	
				 F	Future facility type, project pm Freeway	Plan	

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
254	Factypprjpm	Char	1	E R D M B T C U	Expressway Rpmp Divided - no median breaks Divided - median breaks only Divided - left turn bays Undivided - left turn bays Undivided - continuous left Undivided - no left provision		
255	SpdLmtprjpm	Int	8		Future Speed limit (MPH) for `	Plan	
256	SpLRunprjpm	Int	8		Future Speed limit (MPH) adjusted in future for area type for project pm	Plan	
257	Park_prjpm	Char	1	 Y N A P B	On-street parking Parking allowed Parking not allowed No parking in pm peak No parking in PM peak No parking in peak	Plan	
258	Ped_prjpm	Char	1	 H M L X	Pedestrian activity High pedestrian activity Medium pedestrian activity Low pedestrian activity Pedestrians prohibited	Plan	
259	Devden_prjpm	Char	1	 H M L X	Development density High development density Medium development density Low development density Roadside development prohibited	Plan	
260	Drwyden_prjpm	Char	1	 H M L X	Driveway density High driveway density Medium driveway density Low driveway density Driveways prohibited	Plan	
261	Acntl_prjpm	Char	1	 T L S F Y R	Future control at A, project pm Through Signal (light) Stop Four way stop (all way stop) Yield Roundabout	Plan	
262	Aprhb_prjpm	Char	1	 N L R T C	Future prohibitions at A, project pm No prohibitions No left No right No through No turns	Plan	
263	Aleft_prjpm	Int	8		Future Left turn lns at A, project pm	Plan	
264	Athru_prjpm	Int	8		Future thru lanes at A, project pm	Plan	
265	Arite_prjpm	Int	8		Future right turn lanes at A, project pm	Plan	
266	Bcntl_prjpm	Char	1	 T L S	Future control at B, project pm Through Signal (light) Stop	Plan	

Field	Field Name	Type	Width Dec	Value	Description	Source	Notes
				F	Four way stop (all way stop)		
				Y	Yield		
				R	Roundabout		
267	Bprhb_prjpm	Char	1		Future prohibitions at B, project pm	Plan	
				N	No prohibitions		
				L	No left		
				R	No right		
				T	No through		
				C	No turns		
268	Bleft_prjpm	Int	8		Future Left turn lanes at B, project pm	Plan	
269	Bthru_prjpm	Int	8		Future thru lanes at B, project pm	Plan	
270	Brite_prjpm	Int	8		Future right turn lanes at B, project pm	Plan	
271	Notes	Char	24		User notes for reference	Model team	
272	CCSTYLE	Int	12		Optional line style	Model team	
273	From ID	Int	10		A node-ID	Model team	
274	To ID	Int	10		B node-ID	Model team	