

Implications of MOVES for Project-Level Analysis

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Specifying Local Data

MOVES Table	Data Importer	County Domain	Project Domain
Age Distribution	X	X	X
Average Speed Distribution	X	X	
Fuel Supply	X	X	X
Meteorology Data	X	X	X
Ramp Fraction	X	X	
Road Type Distribution	X	X	
Source Type Population	X	X	
Vehicle Type VMT	X	X	
Zone Road Activity (Custom Domain only)	X	X	

Specifying Local Data

MOVES Table	Data Importer	County Domain	Project Domain
Links			X
Link Source Types			X
Link Drive Schedules			X
Off-Network			X
Operating Mode Distribution			X

MOVES Project Data Manager

Operating Mode Distribution | Age Distribution | **Fuel Supply** | Meteorology Data | Tools | I/M

RunSpec Summary | Database | Links | Link Source Types | **Link Drive Schedules** | Off-Network

Description of Imported Data:

1

fuelSupply Data Source:

File: (please select a file)

2 → Browse...

3 → Create Template...

4 → Import

Messages:

or

3 ←

Export Default Data | Export Imported Data | Clear Imported Data

Fuel Supply

Done

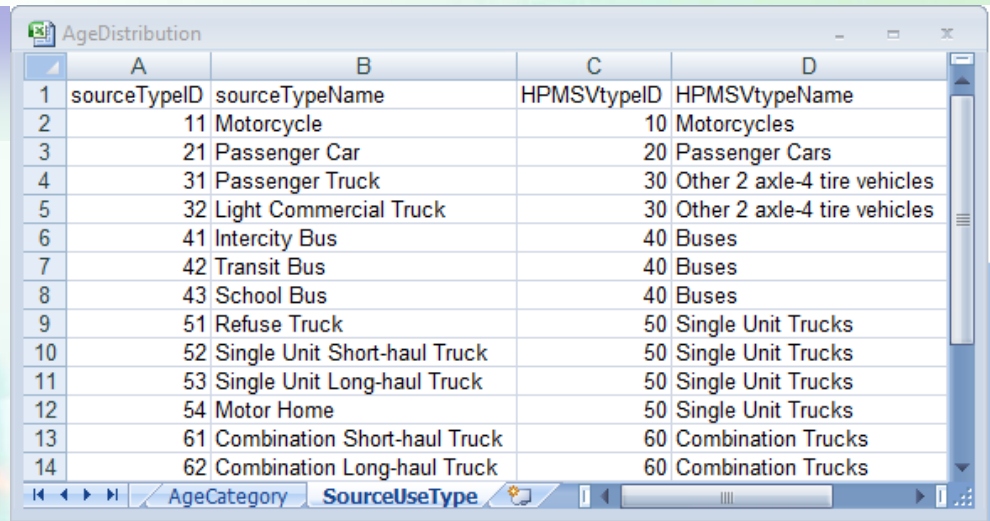
Templates / Default Data

Age Distribution

	A	B	C	D
1	sourceTypeID	yearID	ageID	ageFraction
2	11	2015	0	
3	11	2015	1	
4	11	2015	2	
5	11	2015	3	
6	11	2015	4	
7	11	2015	5	
8	11	2015	6	
9	11	2015	7	
10	11	2015	8	
11	11	2015	9	
12	11	2015	10	
13	11	2015	11	
14	11	2015	12	
15	11	2015	13	
16	11	2015	14	
17	11	2015	15	
18	11	2015	16	
19	11	2015	17	
20	11	2015	18	
21	11	2015	19	

Templates / Default Data

Age Distribution



	A	B	C	D
1	sourceTypeID	sourceTypeName	HPMSVtypeID	HPMSVtypeName
2		11 Motorcycle		10 Motorcycles
3		21 Passenger Car		20 Passenger Cars
4		31 Passenger Truck		30 Other 2 axle-4 tire vehicles
5		32 Light Commercial Truck		30 Other 2 axle-4 tire vehicles
6		41 Intercity Bus		40 Buses
7		42 Transit Bus		40 Buses
8		43 School Bus		40 Buses
9		51 Refuse Truck		50 Single Unit Trucks
10		52 Single Unit Short-haul Truck		50 Single Unit Trucks
11		53 Single Unit Long-haul Truck		50 Single Unit Trucks
12		54 Motor Home		50 Single Unit Trucks
13		61 Combination Short-haul Truck		60 Combination Trucks
14		62 Combination Long-haul Truck		60 Combination Trucks

Templates / Default Data

Fuel Supply

	A	B	C	D	E	F
1	countyID	fuelYearID	monthGroupID	fuelFormulationID	marketShare	marketShareCV
2	8005	2012	7	2064	1	0.5
3	8005	2012	7	3011	1	0.5

Templates / Default Data

Meteorology Data

	A	B	C	D	E
1	monthID	zoneID	hourID	temperature	relHumidity
2	7	80050	1	62.8	56.2
3	7	80050	2	61.1	58.4
4	7	80050	3	59.5	60.4
5	7	80050	4	57.7	63.0
6	7	80050	5	56.5	64.3
7	7	80050	6	55.5	65.4
8	7	80050	7	58.7	62.2
9	7	80050	8	64.6	54.4
10	7	80050	9	70.1	47.4
11	7	80050	10	75.2	41.6
12	7	80050	11	79.9	36.3
13	7	80050	12	83.6	32.2
14	7	80050	13	86.5	29.1
15	7	80050	14	87.9	27.5
16	7	80050	15	88.7	26.8
17	7	80050	16	88.0	26.8
18	7	80050	17	86.6	28.1
19	7	80050	18	84.6	29.9
20	7	80050	19	81.7	33.0
21	7	80050	20	77.4	37.7

Templates / Default Data

Links

	A	B	C	D	E	F	G	H
1	linkID	countyID	zoneID	roadTypeID	linkLength	linkVolume	linkAvgSpeed	linkDescription
2		8005	80050	1				
3		8005	80050	2				
4		8005	80050	3				
5		8005	80050	4				
6		8005	80050	5				

Link Source Types

Link Drive Schedules

Off-Network

Operating Mode Distribution

Templates / Default Data

Links

Link Source Types

Link Drive Schedules

Off-Network

Operating Mode Distribution

	A	B	C
1	linkID	sourceTypeID	sourceTypeHourFraction
2		11	
3		21	
4		31	
5		32	
6		41	
7		42	
8		43	
9		51	
10		52	
11		53	
12		54	
13		61	
14		62	

Templates / Default Data

Links

Link Source Types

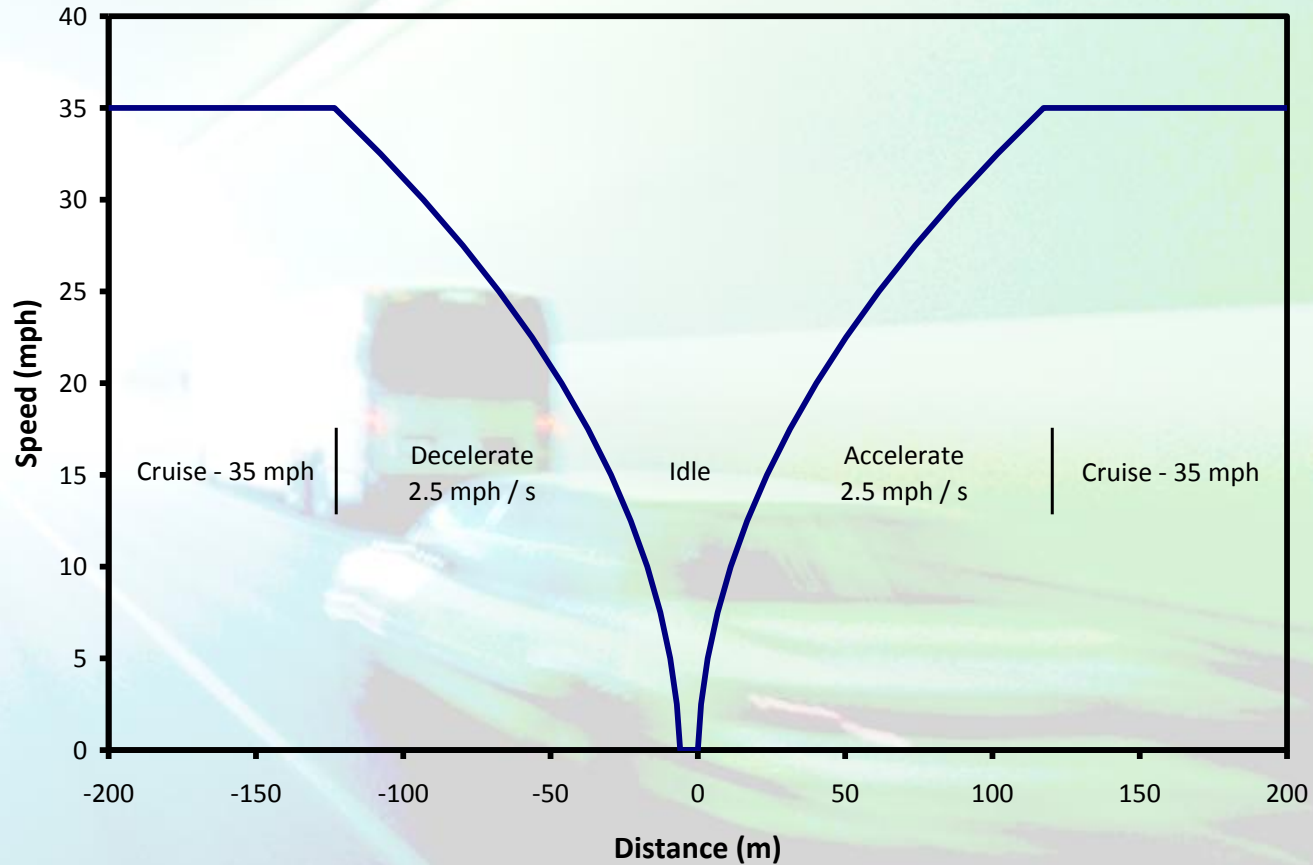
Link Drive Schedules

Off-Network

Operating Mode Distribution

	A	B	C	D
1	linkID	secondID	speed	grade
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Implications for Evaluating Highway Projects – MOVES Modal Emissions Modeling



Templates / Default Data

Links

Link Source Types

Link Drive Schedules

Off-Network

Operating Mode Distribution

	A	B	C	D	E
1	sourceTypeID	vehiclePopulation	startFraction	extendedIdleFraction	parkedVehicleFraction
2	11				
3	21				
4	31				
5	32				
6	41				
7	42				
8	43				
9	51				
10	52				
11	53				
12	54				
13	61				
14	62				

Templates / Default Data

Links

Link Source Types

Link Drive Schedules

Off-Network

Operating Mode Distribution

	A	B	C	D	E	F
1	sourceTypeID	hourDayID	linkID	polProcessID	opModelID	opModeFraction
2	11	85		201	0	
3	11	85		201	1	
4	11	85		201	11	
5	11	85		201	12	
6	11	85		201	13	
7	11	85		201	14	
8	11	85		201	15	
9	11	85		201	16	
10	11	85		201	21	
11	11	85		201	22	
12	11	85		201	23	
13	11	85		201	24	
14	11	85		201	25	
15	11	85		201	26	
16	11	85		201	27	
17	11	85		201	28	
18	11	85		201	29	
19	11	85		201	30	
20	11	85		201	33	
21	11	85		201	35	
22	11	85		201	36	
23	11	85		201	37	
24	11	85		201	38	
25	11	85		201	39	
26	11	85		201	40	
27	11	85		201	100	