



























































































File Name	Field Name	Usage
● agency.txt	○ agency_id	83% 
	● agency_name	100% 
	● agency_url	100% 
	● agency_timezone	100% 
	○ agency_lang	51% 
	○ agency_phone	80% 
	○ agency_fare_url	17% 
● stops.txt	● stop_id	100% 
	○ stop_code	30% 
	● stop_name	100% 
	○ stop_desc	42% 
	● stop_lat	100% 
	● stop_lon	100% 
	○ zone_id	43% 
	○ stop_url	8% 
	○ location_type	46% 
	○ parent_station	9% 
	○ stop_timezone	<1% 
● routes.txt	○ wheelchair_boarding <sup>2</sup>	3% 
	● route_id	100% 
	○ agency_id	73% 
	● route_short_name <sup>3</sup>	72% 
	● route_long_name <sup>3</sup>	95% 
	○ route_desc	33% 
	● route_type	100% 
	○ route_url	55% 
	○ route_color	55% 
● trips.txt	○ route_text_color	48% 
	● route_id	100% 
	● service_id	100% 
	● trip_id	100% 
	○ trip_headsign	85% 
	○ trip_short_name	12% 
	○ direction_id	60% 
	○ block_id	60% 
	○ shape_id	80% 
● stop_times.txt	○ wheelchair_accessible <sup>2</sup>	1% 
	● trip_id	100% 
	● arrival_time	100% 
	● departure_time	100% 
	● stop_id	100% 
	● stop_sequence	100% 
	○ stop_headsign	16% 
	○ pickup_type	71% 
	○ dropoff_type	69% 
	○ shape_dist_traveled	44% 

File Name	Field Name	Usage
● calendar.txt <sup>4</sup>	● service_id	96% 
	● monday	96% 
	● tuesday	96% 
	● wednesday	96% 
	● thursday	96% 
	● friday	96% 
	● saturday	96% 
	● sunday	96% 
	● start_date	96% 
	● end_date	96% 
○ calendar_dates.txt <sup>4</sup>	● service_id	84% 
	● date	84% 
	● exception_type	84% 
○ fare_attributes.txt	● fare_id	54% 
	● price	54% 
	● currency_type	54% 
	● payment_method	54% 
	● transfers	35% 
	○ transfer_duration	20% 
○ fare_rules.txt	● fare_id	45% 
	○ route_id	32% 
	○ origin_id	19% 
	○ destination_id	17% 
	○ contains_id	3% 
○ shapes.txt	● shape_id	83% 
	● shape_pt_lat	83% 
	● shape_pt_lon	83% 
	● shape_pt_sequence	83% 
	○ shape_dist_traveled	48% 
○ frequencies.txt	● trip_id	26% 
	● start_time	26% 
	● end_time	26% 
	● headway_secs	26% 
	○ exact_times	22% 
○ transfers.txt	● from_stop_id	26% 
	● to_stop_id	26% 
	● transfer_type	25% 
	○ min_transfer_time	4% 
○ feed_info.txt	● feed_publisher_name	34% 
	● feed_publisher_url	34% 
	● feed_lang	34% 
	○ feed_start_date	2% 
	○ feed_end_date	2% 
	○ feed_version	3% 

Note 1: ● = Required, ○ = Optional.

Note 2: These fields were added to the specification within six months before the analysis.

Note 3: In some cases, feeds may use either route\_short\_name *or* route\_long\_name.

Note 4: Calendars.txt may be omitted in certain feeds that use calendar\_dates.txt.