

Vehicle-Type Charging

Problem: Not all vehicles do equal damage to roads. Freight-trucks do 10-400 times more damage to roads than automobiles. Not all vehicle emissions are equivalent, either. It doesn't make sense to charge a smart-car the same rate as a semi-truck.



Solution: With Skymeter, different vehicle types can be charged at different rates. Vehicles which do more damage to roads or emit more greenhouse gases can be charged at a higher rate. The transportation authority can distinguish vehicles into as many classes as they see fit, and charge them accordingly.

Benefits: Damaging vehicles like freight-trucks are used more efficiently. People will choose to drive lighter vehicles which cause less damage, thereby reducing maintenance costs and time for construction repairs.