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1. Dynamic axle loads on a vehicle under arbitrary condition It is an important step in analysis of acceleration and braking performance because the axle loads determine the tractive effort obtainable at each axle. - acceleration - gradeability - maximum speed Forces: $W=mg$
=weight @ C.G. ?? = Weight @front wheel ?? = Weight @rear wheel

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FUNDAMENTALS OF VEHICLE DYNAMICS (Bernoulli's Equation assumes incompressible flow, which is reasonable for automotive aerodynamics, whereas the equivalent relationship for compressible flow is the Euler Equation.) The equation is: $P_{static} + P_{dynamic} = P_{total}$ $p_s + \frac{1}{2} \rho v^2 = p_t$ (4-1) where:

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know the driving resistances and their influences on vehicle dynamics.
understand the discrepancy between demands and limits of powertrain.
understand the correlation between braking, wheel load and recovery of energy.

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York's commitment to accelerate its transition to cleaner mobility..
The EV Make-Ready Program will be funded by investor-owned utilities
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