

ManyWheels Phase I — Before / After

GRANT & FUNDING APPLICATIONS

PROBLEM

The 2008 NSF SBIR proposal described a broad real-time automobile-transport reservation system with substantial market ambition but a diffuse Phase I technical object.

WORK

The InTelluric revision keeps the historical information boundary while converting the proposal into a bounded feasibility program: minimum viable data, constrained vehicle insertion, runtime feasibility, and an alpha-deployment gate.

OUTCOME

One source proposal becomes one before/after project set showing how grant narrative is converted into sequential aims, explicit constraints, go/no-go evidence, and a defensible Phase I scope.

REPRESENTATIVE CONTENT

- BEFORE: broad “reservation system” framing and diffuse optimization object.
- AFTER: constrained excess-capacity insertion under route, timing, load-order, legal, and pricing constraints.
- AFTER: each aim produces a gated deliverable; product development proceeds only after feasibility closes.