

RouteCraft: Family Road Trip Protocol

Mission: To execute a long-haul family road trip that prioritizes safety, mechanical reliability, and sanity over speed.

Phase 1: The Expedition Charter (Definition of Done)

Rule: Define the Final Deliverable with Absolute Clarity. A road trip is not just "driving." It is a logistical operation with hard constraints.

Core Metric	Definition
The "North Star" Objective	<i>Example: "Arrive at Yellowstone National Park by Thursday at 4 PM, with zero mechanical failures and max 6 hours driving per day."</i>
The Hard Stop	Latest Possible Arrival: YYYY-MM-DD @ HH:MM
Max "Seat Time"	_____ Hours Per Day (Strict limit for driver fatigue/kid sanity)
The Crew	Driver 1: __ / Driver 2: __ Navigator: _____

Phase 2: Master Asset Readiness & Route Architecture

Rule: Deconstruct Preparation into Linear Phases. Consolidated master view for vehicle and route logistics.

Category	Actionable Task (Start with Verb)	Specific Component/Leg	Owner	Deadline	Status
 Mechanics	Inspect tire tread & pressure (inc. spare)	Tires	\$\$Name\$\$	7 days prior	<input type="checkbox"/> Pending

Mechanics I	Change oil & top off fluids (coolant/brake)	Engine	\$\$Name\$\$	7 days prior	<input type="checkbox"/> Pending
Mechanics I	Test battery voltage & terminal connections	Electrical	\$\$Name\$\$	5 days prior	<input type="checkbox"/> Pending
Mechanics I	Verify roadside assistance membership active	Admin	\$\$Name\$\$	5 days prior	<input type="checkbox"/> Pending
Route Strategy	Map primary route & download offline maps	Navigation	\$\$Name\$\$	3 days prior	<input type="checkbox"/> Pending
Route Strategy	Identify fuel stops every ~300 miles	Logistics	\$\$Name\$\$	3 days prior	<input type="checkbox"/> Pending
Route Strategy	Book overnight lodging (Hotels/Campsites)	Rest	\$\$Name\$\$	14 days prior	<input type="checkbox"/> Pending

Phase 3: The "Shakedown" (QA & Testing)

Rule: Testing & Quality Assurance. *Verify readiness before the wheels roll.*

Actionable Task (QA Check)	Success Criteria	Owner	Deadline	Status
Perform "The Load Test" (Pack trunk)	Everything fits without blocking view	\$\$Name\$\$	24 hrs prior	<input type="checkbox"/> Pass
Audit Emergency Kit	First Aid, Jumper Cables, Flashlight, Water	\$\$Name\$\$	24 hrs prior	<input type="checkbox"/> Pass
Sync Audio/Entertainment Devices	Playlists downloaded, headphones charged	\$\$Name\$\$	12 hrs prior	<input type="checkbox"/> Pass
Clean Interior Cabin	Trash removed, surfaces wiped	\$\$Name\$\$	12 hrs prior	<input type="checkbox"/> Pass

Phase 4: Master Daily Execution Log

Rule: Execution Mode. Shift from planning to operations. A unified view of the critical path.

Day / Checkpoint	Est. Time	Route / Location	Owner (Driver)	Status
Day 1: Wheels Up (Departure)	07:00 AM	City A → Departure	\$\$Name\$\$	<input type="checkbox"/> On Time
Day 1: Fuel/Stretch Stop	10:30 AM	Exit #__	\$\$Name\$\$	<input type="checkbox"/> Complete
Day 1: Lunch Break	01:00 PM	Location: ____	\$\$Name\$\$	<input type="checkbox"/> Complete

Day 1: Arrive Lodging	05:00 PM	City B	\$\$Name\$\$	<input type="checkbox"/> Safe Arrival
Day 2: Wheels Up (Departure)	08:00 AM	City B → Departure	\$\$Name\$\$	<input type="checkbox"/> On Time
Day 2: Fuel/Stretch Stop	11:00 AM	Exit #__	\$\$Name\$\$	<input type="checkbox"/> Complete
Day 2: Arrive Destination	03:00 PM	Final Destination	\$\$Name\$\$	<input type="checkbox"/> Mission Complete

Phase 5: Post-Expedition Debrief (Post-Mortem)

Rule: The Continuous Improvement Loop. *Road trips reveal truths about vehicles and family dynamics. Capture them.*

What Equipment Failed? (Replace)	What Route Choice Was Bad? (Change)	New Rule for Next Trip
<i>(e.g., The cooler leaked water)</i>	<i>(e.g., Taking the scenic route added 2 hours)</i>	<i>(e.g., "No heavy meals before driving through mountains.")</i>