Stage 1
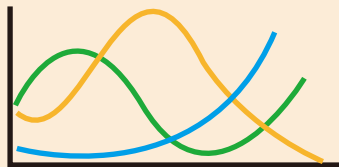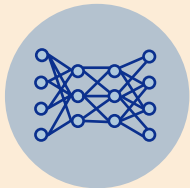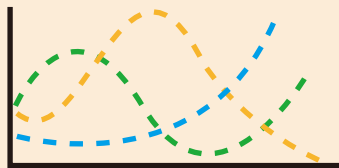## Foundational Forecasting

Historical traffic time-series data

Probabilistic Model

Future trajectories

Stage 2
Contextual Adjustment
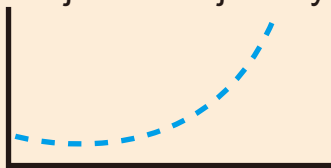
Unstructured Data

Event

LLM Reasoning

Influencing factor

Adjusted trajectory

Stage 3
Reporting and Decision

Human-readable summary

- Congestion expected at 9:00 A.M.
- Adjusted forecasting

✓ Actionable

✓ Readable

Traffic Management Recommendation