The Traffic Investigation

The Large Group Activity

- Count cars to estimate the ratio of SOV’s to HOV’s.
- Answer the question, “How many SOV’s and HOV’s travel west on I-40 towards RTP during the morning rush hour?”
  - Also estimate how many people travel West on I-40 towards RTP during the morning rush hour?
  - Analyze, represent and ESTIMATE with a table.

Team Question

- Address the following question, “Will designating an existing lane of I-40 as HOV-2 help reduce the traffic problems on I-40?”
- Choose to answer in one of two ways:
  - “No, because…”
  - “Yes, if…”
- Use ratios, proportions, and/or percents in your mathematical analysis.

The Slide Presentation

The Slide Presentation should communicate the team’s response to the question, “Will designating an existing lane of I-40 as HOV-2 help reduce the traffic problems on I-40?”

Slide 1:
- Title Slide
- Team Name
- Names of team members and camp counselors
- Mascot

Slide 2:
- Team Response Slide
- Reasons for choice of response

Slide 3:
- Data Analysis Slide
- Tabular or graphical representation

Slide 4:
- Recommendations for future planning
- Tabular or graphical representation

Slide 5:
- Conclusions