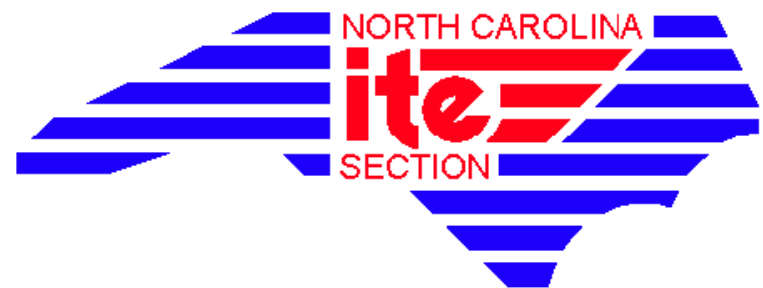


NCSITE Trip Generation Task Force



Outline

- NCSITE Task Force
- Trip Generation Task Force
 - Problem and Goal
 - Work Plan and Progress
 - Membership



NCSITE Task Force

- Administered under Traffic Engineering Council
- Specific Task
- Buy-in from multiple groups
- Recommendations to membership
- National exposure



Trip Generation Task Force

- Problem
 - Large Shopping Center Developments
 - ITE Trip Generation Data Old
 - Variety of Ways to Calculate Trip Gen
 - No consistency
 - Amount of internal capture, pass-bys, transit reduction?
- Goal
 - Recommend Methodology For Determining Trip Generation

Different Perspectives

- City – Sunny Nandagiri, EarthTech
- NCDOT – Mike Reese, NCDOT
- Consultant – Christa Greene, Greene Transportation Solutions

PM Trip Generation (Trips/Hour)

Scenario 1: 1645

Scenario 2: 1966

Scenario 3: 2173



Limitations

- All retail
- Not considering internal capture, pass-by, or transit reduction
- No Money!

Work Plan

- Define Problem
- Define Development
- Locate Candidate Developments
- Gather Site Data
- Count In/out Volume
- Perform Trip Generation
- Compare
- Develop Recommendations
- Papers and Presentations

Type of Development

- Medium Size
- One or Two Anchors
- Outparcels and Associated Retail
- Separate from Adjacent Developments
- No Through Traffic

Selected Sites

- List of 41 sites
- Selected 12 Sites
 - 4 in Charlotte, 1 each in Clayton, Asheboro, Greensboro, Whiteville, Smithfield, Wilson, Siler City, and Rocky Mount
- Sizes range from 178 TSF to 850 TSF

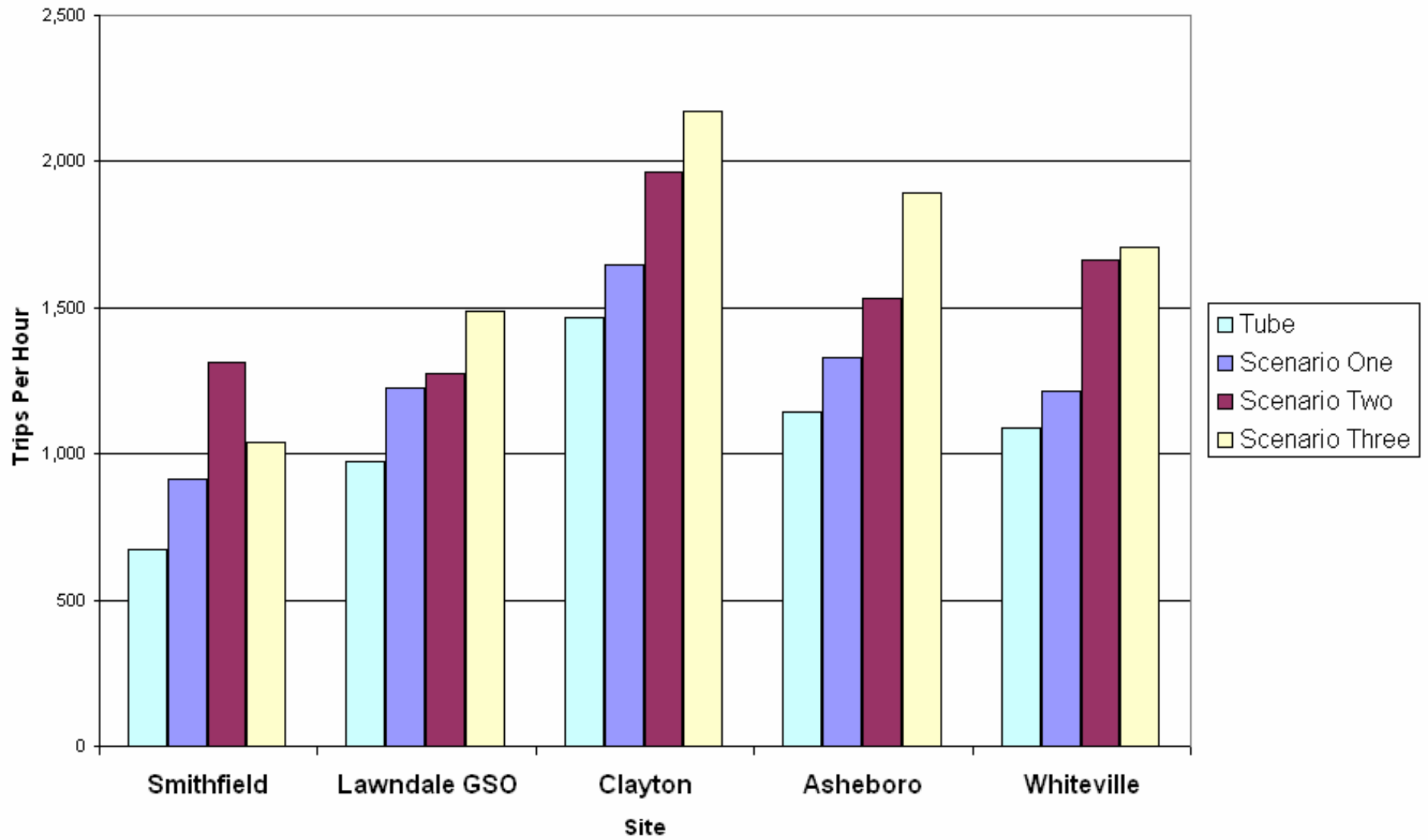
Data Collection

- Count Data
 - Tubes
 - Manual Counts
 - Computed Count Difference
 - Adjacent Street AADT
- Site Data
 - Type of Use
 - Square footage
 - Any vacancies
 - Visual observations

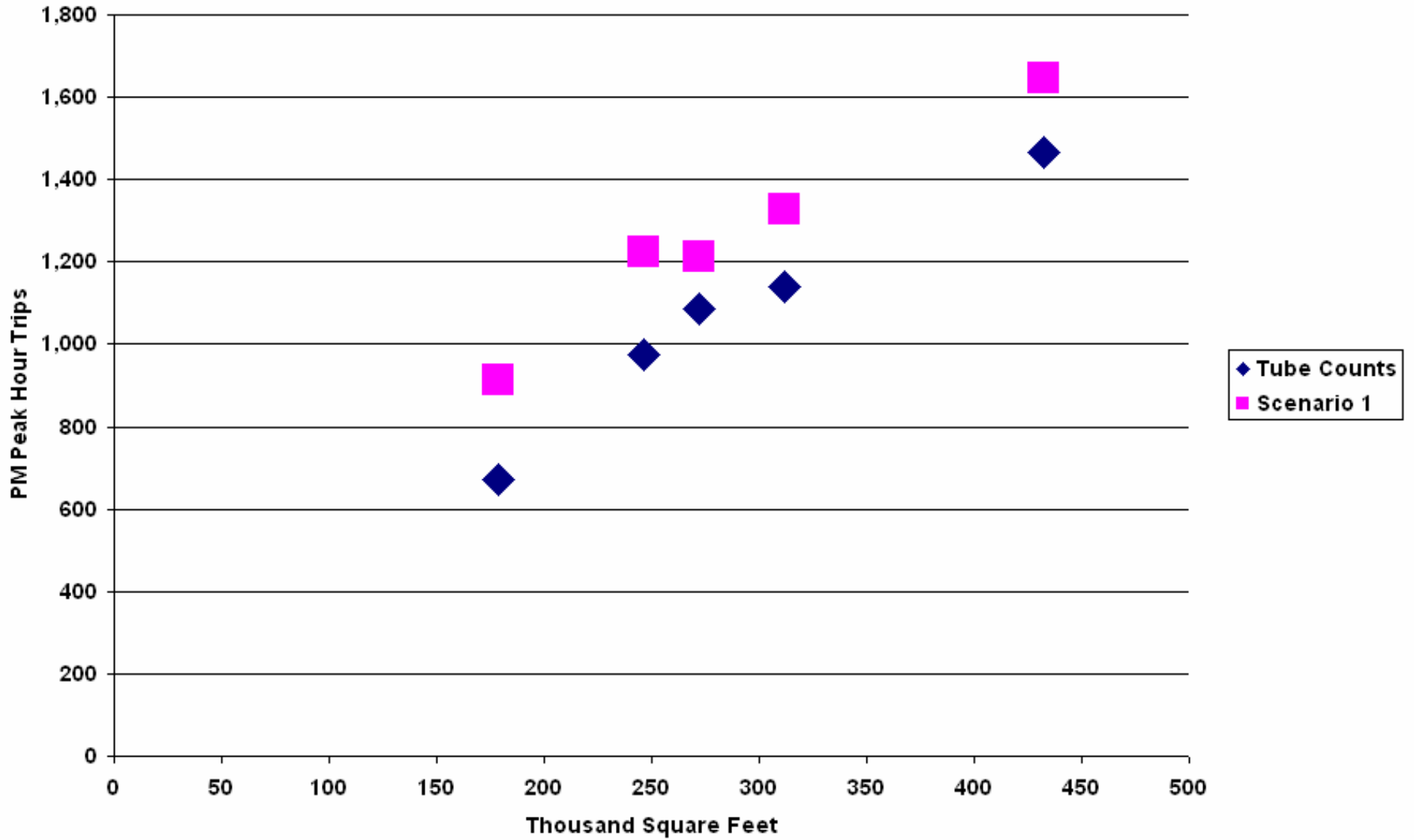
Trip Generation

- 3 Methodologies
 - Everything as 820
 - Retail as 820, outparcels as their individual use
 - Big Box as its individual use, other retail as 820, outparcels as their individual use

Tube Count Vs Trip Generation PM Peak Hour



Square Footage vs PM Peak Hour Trips



Next Steps

- Urban Data Collection
- Summarize all Counts and Trip Gen
- Develop Recommendations
- Papers, Presentations

Membership



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Stantec



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Questions?

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